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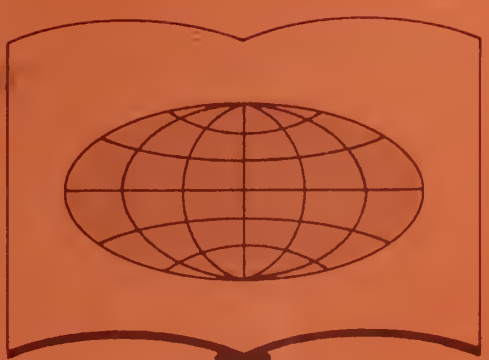

Volume 4 Number 12
JUNE 7, 1968

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A N N O U N C E M E N T

These issues of the Pesticides Documentation Bulletin introduce a new computer generated current awareness service. Through the Pesticides Information Center's Update, Publication and Search (PICUPS) system, a categorized bibliographic citation file, accompanied by subject, author, organization and biographical indices will be issued bi-weekly.

All elements of the citations maintained in this mechanized file system are searchable by computer. In addition to the printed subject descriptors appearing in the Bulletin, other subject descriptors are incorporated in the tape file system as machine searchable but non-printable items. In the early issues some of these subject terms appear in the Bulletin as duplications. These duplications will be eliminated in later programs.

Since retrospective information was not previously published in searchable form, the next several issues of the Bulletin will contain selected coverage of pest control literature issued between 1960 and 1966. Additional retrospective material will be incorporated in future bulletins through the special bibliographies prepared by the Center. Current pest control literature will receive comprehensive coverage. Future expansion will include selected abstracts when such abstracts appear in the source document.

Recipients of this introductory issue are invited to send their comments and suggestions for its improvement to the U.S. Department of Agriculture, National Agricultural Library, Pesticides Information Center, 4112-Auditors Building, Washington, D. C. 20250. These comments together with computer produced statistical analyses will provide the bases for future changes.

Blanche L. Oliveri

Blanche L. Oliveri
Acting Director
National Agricultural Library

PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4 | June 7, 1968 | Number 12

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the Pesticides Information Center, the first of its kind to be established within a national library. It is a bi-weekly index to the literature on pests and their control and the impact on the economy and man's total environment. The index includes literature on diseases, insects, nematodes, parasites, weeds, and other pests affecting plants, animals, man, our natural resources, and other values in man's environment. Literature on biological, chemical, cultural ecological, mechanical, and integrated methods of pest control will be included. Special emphasis is given to the literature on the toxicological, physiological and epidemiological aspects of pests and their control by chemical and nonchemical methods.

For broader coverage of literature on agriculture and related subjects, please consult the Bibliography of Agriculture, a monthly publication of the National Agricultural Library.

FORMAT

The Bulletin is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

TABLE OF CONTENTS

Items	Page
BIBLIOGRAPHY (Citations)	
10 ENTOMOLOGY	1
Systematics	1
Physiology and Biochemistry	4
Genetics	11
Medical Entomology	12
20 CROP PROTECTION	14
Diseases	14
Arthropods	20
Nematodes	25
Weeds	25
Other Pests	*
30 LIVESTOCK PROTECTION	27
Diseases	27
Arthropods	29
Parasites	30
40 COMMODITY PROTECTION	31
Storage Diseases	31
Arthropods	31
Rodents and Other Pests	32
Microbial Contamination	32
50 ENVIRONMENTAL CONTAMINATION	33
55 RESIDUES	34
60 TOXICOLOGY	37
65 PLANT PHYSIOLOGY AND BIOCHEMISTRY	39
70 CHEMISTRY	41
80 ENGINEERING	44
90 INDUSTRY	45
Economics	45
Education	45
Regulations	45
SUBJECT INDEX	47
BIOGRAPHICAL INDEX	117
AUTHOR INDEX	119
ORGANIZATIONAL INDEX	123

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10 ENTOMOLOGY

Systematics

12932-68
NEW ORIBATIDS (ACARI) FROM AUSTRALIAN SOILS.
J Balogh Mahunka
Rovartani Kozlemenyek 19(33):553-468
1966 420 SO12
Mites, Soil fauna.
All included genera, listed above, are monotipic; the type species are all new.

12933-68
RHIZOTROGOS OF THE PINI GROUP (COL. SCARABAEIDAE). DESCRIPTION OF A NEW SPECIES FROM SPAIN. (FR)
J Baraud
Soc Entomol France Bull 72(1/2):39-44
Jan 1967 420 F84E
Rhizotrogus.

12934-68
DATA CONCERNING THE HUNGARIAN DRAGONFLY FAUNA (ODONATA). (HU
P Benedek
Rovartani Kozlemenyek 19(2B):500-518
1966 420 SC12
Odonata, Zoogeography.
English summary.
list of species with localities.

12935-68
TYPES AND TYPOIDS OF PARNASSIUS (S. l.) FOUND IN THE PARIS MUSEUM (LEP. PAPILIONIDAE) (CONCL.). (FR)
G Bernardi P Viette
Soc Entomol France Bull 71(9/10):304-307
Nov 1966 420 F84B
Parnassius.

12936-68
COLLECTIONS OF AQUATIC COLEOPTERA LARVAE IN THE ETHIOPIAN REGION: SOUTH AFRICA AND RHODESIA (1959). (FR)
H Bertrand
Soc Entomol France Bull 71(9/10):252-261
Nov 1966 420 F84B
Aquatic insects, Coleoptera.

12937-68
SIX NEW SPECIES OF THE CULEX (LOPROCERAOMYIA) MAMMILIFER-GROUP FROM THAILAND (DIPTERA: CULICIDAE).
B A Eram M Rattanarithikul
Entomol Soc Wash Proc 69(1):1-17
Mar 1967 420 W27
Culex.

12938-68
A NEW DORCADION FROM GREECE (COL. CERAMBYCIDAE). (FR)
S Breuning A Villiers
Soc Entomol France Bull 72(1/2):37-39
Jan 1967 420 F84B
Dorcadionini, Pedestredorcadion.

12939-68
NOTES ON THE GENUS TACHYDROMIA MEIG AND THE ANNULIMANA-GROUP (DIPTERA, EMPIDIDAE).
M Cavala
Acta Ent Bohemoslov 63(6):464-477
1966 420 C33
Tachydroma.
Includes T. smithi and T. carpathica, n. spp.

12940-68
THE GENUS CATASCYTHROPOS KOLBE (COL. CURCULIONIDAE). DESCRIPTION OF A NEW SPECIES. (FR)
G Du Chatenet
Soc Entomol France Bull 71(9110):295-298
Nov 1966 420 F84B
Catascythropus.

12941-68
A NEW SPECIES OF NOCTICOLA COMING FROM A CAVE IN THE TRANSVAAL (DICTYOPTERA NOCTICOLIDAE). (FR)
L Chopard
Soc Entomol France Bull 71(9/10):307-310
Nov 1966 420 F84B
Nocticola leleupi.

12942-68
THE HIGHER CLASSIFICATION OF THE FAMILY RHOPALIDAE (HEMIPTERA).
N P Chopra
Roy Entomol Soc London Trans 119(12):363-399 REF
29 Dec 1967 420 L84
Rhopalidae.

12943-68
THE ECOLOGY OF INSECT POPOLATIONS IN THEORY AND PRACTICE.
QL496.C55.
L R Clark
209-224. REF
1967
Insect ecology, Insect populations.

12944-68
A REVISION OF THE ORIENTAL SPECIES OF PALEXORISTA TOWNSEND (DIPTERA: TACHINIDAE, STURMIINI).
R W Crosskey
Brit Mus (natur Hist) Entomol Bull Suppl 21(2):35-97
1967 420 B773
Palexorista.
Includes n. spp.

12945-68
A PRELIMINARY REVISION OF THE BLACK-FLIES (DIPTERA: SIMULIIDAE) OF THE MIDDLE EAST.
R W Crosskey
Roy Entomol Soc London Trans 119(1):1-45 REF
21 Apr 1967 420 L84
Simuliidae.

12946-68
REVIEW AND PRELIMINARY DIAGNOSIS OF SOME PAMPHAGIDAE AND ACRIDIDAE FROM IRAN (ORTH. ACRIDOIDEA). (FR)
M Descamps
Soc Entomol France Bull 72(1/2):27-37
Jan 1967 420 F84B
Acrididae, Pamphagidae, Zagrosia.
Includes n. spp.

12947-68
NEW SPECIES OF THE GENUS TYPHLODROMUS FROM SUDAN (ACARII PHYTOSEIIDAE).
E A Elhadry
J Zool 153(4):463-473
Dec 1967 410.9 L84P
Insect taxonomy, Typhlodromus.
Abstract

12948-68
THE COMPARATIVE ETHOLOGY AND EVOLUTION OF THE SAND WASPS.
QL568.S7E8.
H E Evans
526 P. REF CAMBRIDGE, MASS. HARVARD UNIVERSITY PRESS
1966
Insect morphology, Sphecidae.

12949-68
COLLECTING NOTE ABOUT CERTAIN NEUROPTERA PLANIPENNIA FROM CENTRAL FRANCE. (FR)
A Favard
Entomops 8:237-238
28 Apr 1967 QL461.E53
Neuroptera, Planipennia.

12950-68
A NEW SYNONYMY IN THE TRICHOPTERA.
O S Flint
Entomol Soc Wash Proc 69(1):55
Mar 1967 420 W27
Dicosmoecus frontalis.
D. aureoventris, new synonymy.

12951-68
A NEW HEMIRRHIPINAE FROM MADAGASCAR: ABIPHIS VIETTEI N. SP. (COL. ELATERIDAE). (FR)
C Girard
Soc Entomol France Bull 71(9/10):274-275
Nov 1966 420 F84B
Abiphis vietti.

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ENTOMOLOGY OF ANTARCTICA. QL491.G7.
J L Gressitt
395 P.,WAF WASHINGTON, AMERICAN GEOPHYSICAL UNION
1967
Anoplura, Antarctica, Arthropoda, Mallophaga, Mites, Zoogeography.
Antarctic Research Series, v.10.
Abstract

12953-68
NOTES ON THE SYSTEMATICS AND DISTRIBUTION OF SOME TRIBOLIUM SPECIES (COLEOPTERA: TENEBRIONIDAE).
D G B Halstead
J Stored Prod Res 3(3):269-272
Oct 1967 421 J829
Insect taxonomy, Tenebrionidae, Tribolium, Zoogeography.

12954-68
THE GENERIC NAMES OF THE BUTTERFLIES AND THEIR TYPE-SPECIES, (LEPIDOPTERA: RHOPALOCERA).
F Hemming
Brit Mus (natur Hist) Entomol Bull Suppl 9;509 P
1967 420 B773
Nomenclature, Rhopalocera.

12955-68
NOTE ABOUT THE CATOPIDAE FROM PELOPONNESUS AND DESCRIPTION OF A NEW CHOLEVA (CHOLEVOPSIS) (COL. CATOPIDAE). (FR)
H Henrot
Soc Entomol France Bull 72(1/2):61-66
Jan 1967 420 F84B
Catopidae, Choleva cerrutii.
Includes collecting records

12956-68
SOIL FAUNA RESEARCH IN THE FOREST OF MAURES (VAR). DESCRIPTION OF A NEW SPECIES OF LEPTOTYPHLUS FAUV. (COL. STAPHYLINIDAE. (FR)
P Herve
Entomops 8:245-248
28 Apr 1967 QL461.E53
Forest insects, Leptotyphlus schuleri, Soil insects.

12957-68
A TAXONOMIC SEPARATION OF LARVAE OF THE GENUS SITOPHILUS BY HEAD CAPSULE MORPHOLOGY (COLEOPTERA: CURCULIONIDAE).
P D Hunkapiller A E O'Donnell
Kans Entomol Soc J 40(3):435-440
Jul 1967 420 K13
Curculionidae, Head, Insect taxonomy, Larvae, Sitophilus.
Abstract

12958-68
LARVA OF HOPLIA PHILANTHUS RUESSLY (COLEOPTERA, SCARABAEIDAE) WITH COMMENTS ON THE BIONOMICS OF THE SPECIES. (GE
K Hurka S Eily
Acta Ent Bohemoslov 63(6):459-463
1966 420 C33
Hoplia philanthus, Insect ecology, Scarabaeidae.

12959-68
SOME NOTES ON THE RIF. (FR)
A Kh Iakimoff
Soc Entomol France Bull 71(9/10):243-252
Nov 1966 420 E84B
Cicindelidae, Morocco.

12960-68
A STUDY OF THE POPULATION OF INSECTS EMERGING AS ADULTS FROM SPITTLEGUE'S POND AT LONDON, ONTARIO.
W W Judd
Entomol Soc Ontario Proc 97:94-98,MAP REF
1966 420 ON8
Aquatic insects, Insect populations, Ponds.

12961-68
THE SOCIAL VESPIDAE OF CENTRAL EUROPE. QL568.V5K4. (GE)
H Kemper F Dohring
180 P. REF PAPER, BERLIN
1967
Insect biology, Insect identification, Vespidae.

12962-68
THE ANALYSIS OF DENSITY DEPENDENCE IN STUDIES ON INSECT POPULATION REGULATION. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. F62.
H Klomp
2:25-31
1966
Insect populations, Mortality, Natural control (insects), Parasitism.

12963-68
NEW NEOTROPICAL NEOCOELIDIINAE WITH KEYS TO THE SPECIES OF COELIDIANA, XENOCOELIDIA, AND NELIDINA (HOMOPTERA: CICADELLIDAE).
J P Kramer
Entomol Soc Wash Proc 69(1):31-46.
Mar 1967 420 W27
Coelidiana, Nelidina, Neocoelidiinae, Xenocoelidia.

12964-68
KEYS FOR THE IDENTIFICATION OF POLISH INSECTS. XXVII. LEPIDOPTERA. 63. SATYRIDAE. (POL)
M Krzywicki
Pol Tow Entomol Klucze Oznaczania Owadow Pol 27(63):1-41
1966 422.59 P76
Insect taxonomy, Lepidoptera, Satyridae.

12965-68
HYMENOPTERA TENTHREDINOIDEA OF THE SEINE-ET-OISE. INTERESTING CAPTURES AND COLLECTING NOTES. (FR)
J Lacourt
Entomologiste (paris) 23(5-6):117-127
Dec 1967 421 EN814
Hymenoptera, Tenthredinidae.

12966-68
AN AMERICAN APHIDIDAE NEW TO THE EUROPEAN FAUNA: NEARCTAPHIS BAKERI COWAN (HOM.). (FR)
F Leclant
Soc Entomol France Bull 72(1/2):25-26
Jan 1967 420 F84B
Aphididae.

12967-68
PRELIMINARY DESCRIPTIONS OF NEW ATTACIDAE FROM SOUTH AMERICA (LEP.) (CONCL.). (FR)
C Lemaire
Soc Entomol France Bull 71(9/10):298-304
Nov 1966 420 F84B
Gamelia, Saturniidae.
New species, chiefly in Gamelia.

12968-68
FURTHER RECORDS OF NEW JERSEY APHIDS (HOMOPTERA: APHIDIDAE).
H D Leonard
N Y Entomol Soc J 75(2):77-92
Jun 1967 420 N48J
Aphididae, Food plants, Host specificity, New Jersey, Zoogeography.
Abstract

12969-68
THE FLEAS (SIPHONAPTERA) OF EGYPT. AN ILLUSTRATED AND ANNOTATED KEY.
B E Lewis
J Parasitol 53(4):863-885 BEF
Aug 1967 448.8 J824
Indexes, Siphonaptera, Zoogeography.
Abstract

12970-68
RESEARCH NEEDS AND PRIORITIES: ECOLOGY.
W W Macdonald
World Health Organ Bull 36(4):655
1967 449.9 W892B
Aedes aegypti, Insect ecology.

12971-68
TAXONOMY OF AEDES AEGYPTI AND RELATED SPECIES.
P F Mattingly
World Health Organ Bull 36(4):552-554 BEF
1967 449.9 W892B
Aedes aegypti, Culicidae, Insect taxonomy.

12972-68
APTEROUS APHIDS IN WATER, WIND, AND SUCTION TRAPS.
J T Mødler A K Ghosh
J Econ Entomol 61(1):267-270
Feb 1968 421 J822
Acyrthosiphon pisum, Aphis, Insect populations, Insect traps, Macrosiphum avenae, Rhopalosiphum fitchii, Rhopalosiphum maidis, Surveys, Therioaphis trifolii, Zoogeography.

12973-68
BEAUTIFUL MOTHS. QL543.M63. (CZ)
J Moucha
134 P. LONDON, SPRING BOOKS
1966
Habitats, Insect anatomy, Insect behavior, Moths.
Translated from Czech, by O. Kuthanova.

12974-68
THE INDO-AUSTRALIAN SPECIES OF THE ULTOR-GROUP OF APANTELES FOERSTER (HYMENOPTERA: BRACONIDAE).
G E J Nixon
Brit Mus (natur Hist) Entomol Bull Suppl 21(1):1-34 REF
1967 420 B773
Apanteles.
Includes n. spp.

12975-68
PREDATION BY FUSCUROPODA VEGETANS (ACARINA: UROPODIDAE) AND MACROCHELES MUSCAEDOMESTICAE (ACARINA: MACROCHELIDAE) ON THE EGGS OF THE LITTLE HOUSE FLY, FANNIA CANICULARIS.
A E O'Donnell E L Nelson
Kans Entomol Soc J 40(3):441-443
Jul 1967 420 K13
Fannia canicularis, Fuscuropoda vegetans, Insect eggs, Macrocheles muscaedomesticae, Mites, Predaceous insects.
Abstract

12976-68
NOTE ABOUT SOME HIDDEN TRAVELERS. (FR)
J Obry
Entomops 8:234-236
28 Apr 1967 QL461.E53
Insect dissemination, Lepidoptera, Spiders.

12977-68
DESCRIPTION OF TWO NEW SUBSPECIES OF CARABIDAE. (FR)
J Ochs
Entomops 8:239-240
28 Apr 1967 QL461.E53
Carabidae, Hadrocarabus problematicus falsinflatus, Megodontus purpurascens thorencicus.

12978-68
APHIDS OF KOREA. QL523. A6 P3.
W H Paik
160 P. REF SEOUL NATIONAL UNIVERSITY, KOREA
1966
Aphididae, Insect taxonomy.
Includes new species, keys, and host plant index

12979-68
DESCRIPTION DE A NEW CHARAXES (LEP. NYMPHALIDAE). (FR)
J Plantrou
Soc Entomol France Bull 72(1/2):66-68
Jan 1967 420 F84B
Charaxes fuscus.

12980-68
NOTES ON NORTH AMERICAN SALDIDAE (HEMIPTERA).
J T Polhemus
Entomol Soc Wash Proc 69(1):24-30
Mar 1967 420 W27
Salda, Saldula.

12981-66
ADDITIONAL SYNONYMIES WITHIN THE AMBLYCERAN BIRD LICE (MALLOPHAGA).
R D Price K C Emerson
Entomol Soc Wash Proc 69(3):248-251
Sep 1967 420 W27
Birds, Insect taxonomy, Mallophaga, Parasitic insects.

12982-68
CONTRIBUTION TO THE KNOWLEDGE ON COSMOPOLITES SORDIDUS (GERMAR) (COLEOPTERA, CURCULIONIDAE). I. (IT)
F Beccari
Riv Agr Subtrop Trop 61(1/3):51-93 (CONT.)
Jan 1967 26 AG82
Cosmopolites sordidus, Insect anatomy.

12983-68
SOME BRITISH SPECIES OF LEIOPHRON NEES (HYMENOPTERA: BRACONIDAE, EUPHORINAE), WITH THE DESCRIPTION OF TWO NEW SPECIES.
O W Richards
Roy Entomol Soc London Trans 119(5):171-186 REF
18 Jul 1967 420 L84
Leiophron, Leiophron heterocordyli, Leiophron orthotyli.

12984-68
APPENDIX. SPHEX LINNE, SUBGENUS PALMODES KOHL. IN: HYMENOPTERA FROM TURKEY. SPHECIDAE. I., BY J DE BEAUMONT. (FR)
P Roth
Brit Mus (natur Hist) Entomol Bull Suppl 19(5):368-375 REF
02 Jun 1967 420 B773
Hymenoptera, Sphecidae, Sphex.
Includes n. spp.

12985-68
NOTES ON CERTAIN SPECIES OF THE GENUS MIARUS STEPHENS (COL. CURCULIONIDAE). (FR)
A Roudier
Soc Entomol France Bull 71(9/10):276-294 REF
Nov 1966 420 F84B
Miarus.
Includes n. ssp. and key.

12986-68
OBSERVATIONS ON LARVAL HABITATS AND THE WINTER BIONOMICS OF SOME COMMON SPECIES OF CULICOIDES (DIPTERA: CERATOPOGONIDAE) IN THE CENTRAL COLUMBIAN BASIN.
W A Rowley
Mosquito News 27(4):499-505
Dec 1967 421 M85
Culicoides, Habitats, Larvae.

12987-68
REVISION AND SUPPLEMENT TO THE HOMOPTERA PART OF THE WORK "FAUNA REGNI HUNGARIAE" (FAM.: CERCOPIDAE). (GE)
G Saringer
Rovartani Kozlemenyek 19(20):319-373, REF.
1966 420 S012
Cercopidae, Homoptera, Insect taxonomy.
Chiefly collection records.

12988-68
ANOPHELES (ANOPHELES) TIGERTI, A NEW SPECIES OF THE AITKENI GROUP FROM THAILAND.
J E Scanlon E L Peyton
Entomol Soc Wash Proc 69(1):18-23
Mar 1967 420 W27
Anopheles tigertti.

12989-68
A CATALOGUE OF THE HYMENOPTEROUS AND DIPTEROUS PARASITES OF CHILO ZONELLUS (SWINHOE) (CRAMBIDAE: LEPIDOPTERA).
A K Sharma J D Saxena B R S Rao
Indian J Entomol 28(4):510-542 REF
Dec 1967 420 IN23
Chilo zonellus, Parasitic insects.

12990-68
A SYNOPTIC CATALOG OF THE MOSQUITOES OF THE WORLD, SUPPLEMENT III. (DIPTERA: CULICIDAE).
A Stone
Entomol Soc Wash Proc 69(3):197-224 REF
Sep 1967 420 W27
Catalogs, Culicidae.

12991-68
NEW LOCALITY RECORDS AND A NEW SPECIES OF CHIROTHRIPS HALIDAY (THYSANOPTERA: TRIPIDAE).
R Zur Strassen
Entomol Soc Wash Proc 69(1):47-52
Mar 1967 420 W27
Chirothrips, Chirothrips kurdistanus.

12992-68
THE DISTRIBUTION, DENSITY AND SEASONAL PREVALENCE OF AEDES AEGYPTI IN WEST AFRICA.
G Surtees
World Health Organ Bull 36(4):539-540 REF
1967 449.9 W892B
Aedes aegypti, Insect populations, Zoogeography.

12993-68
A NEW APHID GENUS FROM NORTH-WESTERN INDIA (HOMOPTERA: APHIDIDAE).
K D Verma
Indian J Entomol 28(4):507-509
Dec 1966 420 IN23
Aspidophorodon, Insect taxonomy.

12994-68
RECORDS OF THE ORTHOPTEROID INSECTS IN ONTARIO.
V R Vickery D K M Kevan
Entomol Soc Ontario Proc 97:13-68 REF
1966 420 ON8

10 12995-68

Dermaptera, Isoptera, Orthoptera, Zoogeography.
Abstract

12995-68
RESEARCH ON HYMENOPTERA CHALCIDOIDEA. II. REPORT OF SPECIES NEW, OR LITTLE KNOWN, IN THE ITALIAN ENTOMOFAUNA. (IT
G Viggiani
Portici Lab Entomol Agr Filippo Silvestri Boll 24:1-21 REF
1966 420 F82E
Chalcidoidea.
English summary

12996-68
RESEARCH ON HYMENOPTERA CHALCIDOIDEA. VI. GENERA AND SPECIES NEW TO THE ITALIAN ENTOMOFAUNA (ENCYRTIDAE, APHELINIDAE, MYMAROMMIDAE). (IT)
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Portici Lab Entomol Agr Filippo Silvestri Boll 24:84-105 REF
1966 420 F82E
Aphelininae, Chalcidoidea, Encyrtidae, Eulophidae, Mymaridae, Neopricchilonеurus.
English summary

12997-68
RESEARCH ON HYMENOPTERA CHALCIDOIDEA. III. A NEW SPECIES OF THE GENUS TETRAMESA WALK. (HYM. EURYTOMIDAE). (IT)
G Viggiani
Portici Lab Entomol Agr Filippo Silvestri Boll 24:22-30
1966 420 F82E
Ampeloderma mauritanicus, Chalcidoidea, Tetramesa russoi.
English summary

12998-68
HYGROBIA HERMANNI GL, THE MUD BEETLE (COL., HYGROBIIDAE). (DU
H Westra
Entomol Ber 27(2):37-40
01 Oct 1967 420 N38B
Aquatic insects, Hygrobia hermanni,
Insect collecting equipment.
English summary.
Abstract

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PREDICTION OF POPULATION TRENDS. IN: %FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. S8951. P62.
T Wildbolz
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1966
Insect outbreak forecasting, Insect populations.

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A TAXONOMIC REVISION OF THE GENUS TELDENIA MOORE (LEPIDOPTERA: DREPANIDAE, DREPANINAE).
C Wilkinson
Roy Entomol Soc London Trans 119(11):303-362
29 Dec 1967 420 L84
Teldenia.
Includes n. spp.

13001-68
SIPHONA KANGWAGYEI N SP., A BLOODSUCKING FLY FROM UGANDA (DIPTERA: MUSCIDAE).
F Zumpt
Novos Taxa Entomol 52:1-4
Jul 1967 421 N853
Siphona kangwagyei.

Physiology and Biochemistry

13002-68
THE NATURE OF HAEMOLYMPH PROTEINS IN RELATION TO THE OVARIAN CYCLE IN THE VIVIPAROUS COCKROACH, NAUPHOETA CINEREA.
K G Adiyodi
J Insect Physiol 13(8):1189-1195 REF
Aug 1967 421 J825
Blood plasma, Electrophoresis, Insect physiology, Nauphoeta cinerea, Ovaries, Proteins.
Abstract

13003-68
FERTILIZATION IN THE TWO-SPOTTED SPIDER MITE (TETRANYCHUS URTICAE: ACARI).
W Aelle
Entomol Exp Appl 10(1):103-110
1967 421 EN895
Fertility, Tetranychus urticae.

13004-68
TEMPERATURE ACCLIMATION AND ITS INFLUENCE ON THE ELECTRICAL ACTIVITY OF THE NERVOUS SYSTEM IN THREE SPECIES OF COCKROACHES.
R L Anderson J A Hutchmor
J Insect Physiol 14(2):243-251 REF
Feb 1968 421 J825
Blaberus craniifer, Cold, Insect physiology, Leucophaea maderae, Nervous system, Periplaneta americana.
Abstract

13005-68
THE COMPARATIVE EFFECTS OF VITAMIN DEFICIENCY ON DEVELOPMENT AND ON ADULT FECONDITY OF TRIBOLIUM CASTANEUM.
S W Applebaum Y Lubin
Entomol Exp Appl 10(1):23-30
1967 421 EN895
Deficiency diseases, Fertility, Insect nutrition, Tribolium castaneum, Vitamins.

13006-68
EFFECTS ON LIGHT AND SUGARS ON REARING THE COTTON APHID, APHIS GOSSYPII, ON A GERM-FREE AND HOLIDIC DIET.
J L Auclair
J Insect Physiol 13(8):1247-1268 REF
Aug 1967 421 J825
Aphis gossypii, Diet, Insect nutrition, Insect rearing, Light, Mortality, Sugars.
Abstract

13007-68
THE RESPIRATORY METABOLISM OF INSECT FLIGHT MUSCLE DURING ADULT MATURATION.
E R Balboni
J Insect Physiol 13(12):1849-1856 REF
Dec 1967 421 J825
Apis mellifera, Insect flight, Insect metabolism, Insect respiration, Mitochondria, Muscles.
Abstract

13008-68
ANISIC ACID ESTERS AS KNOCKDOWN AGENTS.
H Beckman M Fernandez
J Econ Entomol 61(1):311
Feb 1968 421 J822
Anisic acid, Drosophila melanogaster, Esters, Experimental insects, Photochemistry, Toxicity.

13009-68
IN VITRO HATCHING OF GASTROPHILUS INTESTINALIS LARVAE.
T R Bello
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Aug 1967 448.8 J824
Culture media, Gastérophilus intestinalis, Insect rearing.
Abstract

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DESCRIPTION OF A METHOD FOR MEASURING THE RESPIRATORY EXCHANGE IN THE ENTIRE INSECT. (FR)
J R Le Berre N Hawlitzky
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25 Nov 1967 442.9 P21
Insect respiration, Respirators.

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BEAR CATERPILLARS? WHY?. (FR)
J T Betz
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1967 421 AL2
Caterpillars, Insect rearing.

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EFFECT OF FOOD PLANTS ON COLOUR, STRUCTURE AND SIZE OF FAECAL PELLETS OF THE DESERT LOCUST, SCHISTOCERCA GREGARIA FORSK.
D R Bhatia H Chandra
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Mar 1967 420 IN23
Feces, Food plants, Schistocerca gregaria.

13013-68
DIETARY AMINO ACID AND NUCLEIC IMBALANCE LEADING TO ALTERED TUMOUR FREQUENCY IN THE ADULT HOUSEFLY, MUSCA DOMESTICA.
R F Rodnaryk
J Insect Physiol 14(2):223-242 REF
Feb 1968 421 JR25
Amino acids, Deficiency diseases, Insect physiology, Musca domestica, Neoplasms, Nucleic acids, Phenylalanine.
Abstract

13014-68
RESEARCH NEEDS AND PRIORITIES: BIOCHEMISTRY.
A W A Brown
World Health Organ Bull 36(4):650-652
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Aedes aegypti, Biochemistry.

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INTERSEXUALITY IN MOSQUITOES. (ABSTRACT).
B A Crust
Entomol Soc Manitoba Proc 22:28
1966 420 EN88
Culicidae, Intersexuality, Sex, Temperature.
Abstract

13016-68
METABOLISM OF 2-METHYL-2-(METHYLTHIO)PROPIONALDEHYDE O-(METHYLCARBAMOYL)OXIME (TEMIK, UC-21149) IN INSECTS.
D L Bull D A Lindquist J R Coppedge
J Agr Food Chem 15(4):610-616
Jul 1967 381 J8223
Anthonomus grandis, Heliothis virescens, Insect metabolism, Insecticides, Radioactive tracers, Temik.
Abstract

13017-68
THE CONVERSION OF GLUTAMATE TO ALANINE IN THE TSETSE FLY (GLOSSINA MORSITANS).
E Bursell
Comp Biochem Physiol 23(3):825-829
Dec 1967 444.8 C73
Alanine, Glossina morsitans, Glutamate.
Abstract

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PHEROMONES OF THE QUEEN HONEYBEE (APIS MELLIFERA L.) WHICH ENABLE HER WORKERS TO FOLLOW HER WHEN SWARMING.
C G Butler J Simpson
Roy Entomol Soc London Proc Ser A Gen Entomol 42(10-12):149-154
29 Dec 1967 420 L84PA
Apis mellifera, Bee behavior, Hormones, Pheromones.
Abstract

13019-68
PHENOMENA OF EXCITATION AND INHIBITION IN THE LAST ABDOMINAL GANGLION OF THE COCKROACH, PERIPLANETA AMERICANA I. (FR)
J J Callec J Boistel
Paris Soc Biol Compt Rend 160(12):2418-2424
1966 442.9 P21
Insect physiology, Nerves, Periplaneta americana.

13020-68
THE EFFECTS OF ACETYLCHOLINE AT THE SYNAPTIC AND SOMATIC LEVELS IN THE CASE OF THE LAST ABDOMINAL GANGLION OF THE COCKROACH PERIPLANETA AMERICANA. (FR)
J J Callec J Boistel
Paris Soc Biol Compt Rend 161(2):442-446 REF
20 Jul 1967 442.9 P21
Abdomen, Acetylcholine, Insect physiology, Nerves, Periplareta americana.

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INSECT COMMUNICATION.
J D Carthy
Roy Entomol Soc London Symp 3:69-79 REF
1966 420 R81
Insect behavior, Smell, Stridulation, Touch, Vision.

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NEMATODE PARASITES OF CULICIDAE AND CHAOBORIDAE IN LOUISIANA.
H C Chapman D R Woodard J J Petersen
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Chaoboridae, Host specificity, Nematodes, Parasitism.

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PREFERRED AEDES AEGYPTI LARVAL HABITATS IN URBAN AREAS.
W H Cheong
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1967 449.9 W892B
Aedes aegypti, Habitats, Larvae, Towns.

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THE ROLE OF RHYTHMS IN INSECT BEHAVIOUR.
P S Corbet
Roy Entomol Soc London Symp 3:13-28 REF
1966 420 R81
Biological clocks, Insect behavior.

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A SEMISYNTHETIC DIET FOR ADULT BANDED CUCUMBER BEETLES.
C S Creighton E R Cuthbert
J Econ Entomol 61(1):337-338
Feb 1968 421 JR22
Diabrotica balteata, Insect nutrition, Longevity, Reproduction.

13026-68
THE CALCIUM-STIMULATED INCORPORATION OF ETHANOLAMINE AND SERINE INTO THE PHOSPHOLIPIDS OF THE HOUSEFLY MUSCA DOMESTICA.
A D Crone
Biochem J 104(2):695-704 REF
Aug 1967 382 B52
Biochemistry, Calcium, Ethanolamine, Musca domestica, Phospholipids, Serine.
Abstract

13027-68
MASS REARING BANDED CUCUMBER BEETLES, WITH NOTES ON REARING SPOTTED AND STRIPED CUCUMBER BEETLES.
F P Cuthbert C S Creighton R R Cuthbert
J Econ Entomol 61(1):288-292
Feb 1968 421 J822
Acalymma vittatum, Diabrotica balteata, Diabrotica undecimpunctata, Insect rearing.
Abstract

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CHANGES OF THE WING PATTERN IN THE MOTHS OF THE GENUS ZYGAENA FABR. (LEPIDOPTERA, ZYGAENIDAE) OBTAINED BY INTRA-PUPAE INJECTIONS.
J S Dabrowski
Acta Ent Bohemoslov 63(6):411-419
1966 420 C33
Color, Tungstic acid, Wings (insects), Zygaena.

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SOME CONSEQUENCES OF COPULATION IN RHODNIUS PROLIXUS.
K G Davey
J Insect Physiol 13(11):1629-1636 REF
Nov 1967 421 J825
Blood, Feeding, Ovulation, Rhodnius prolixus, Sex behavior.
Abstract

13030-68
A COMPARATIVE STUDY OF LARVAL EMBRYOGENESIS IN THE MOSQUITO CULEX FATIGANS WIEDEMANN (DIPTERA: CULICIDAE) AND THE SHEEP-FLY, LUCILIA SERICATA MEIGEN (DIPTERA: CALLIPHORIDAE). I. DESCRIPTION OF EMBRYONIC DEVELOPMENT.
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Australian J Zool 15(3):547-579 REF
May 1967 410 AU73
Culex pipiens quinquefasciatus, Insect physiology, Larvae, Phaenicia sericata.
Abstract

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NUTRITIONAL RELATIONSHIPS IN LARVAE OF ORYZAEPHILUS SURINAMENSIS.
G R F Davis
J Insect Physiol 13(11):1737-1743
Nov 1967 421 J825
Diet, Insect nutrition, Larvae, Oryzaephilus surinamensis.
Abstract

13032-68
DEVELOPMENTAL RATE AND COMPETITIVE ABILITY IN TRIBOLIUM. III. COMPETITION IN UNFAVORABLE ENVIRONMENTS.
P S Dawson
J Stored Prod Res 3(3):193-198 REF
Oct 1967 421 JR29
Insect ecology, Insect physiology, Tribolium castaneum, Tribolium confusum.

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Abstract

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FEEDING BEHAVIOUR.
V G Dethier
Ncy Entcmcl Soc London Symp 3:46-58 REF
1966 420 E61
Feeding, Insect behavior.

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STUDIES ON NATURAL PCPULATICNS. VI. COMPETITION BETWEEN DRCSCPHILA MELANOGASTER AND DROSOPHILA SIMULANS. (POL)
I Dluçokecka
Kosmos Ser A Biol 16(6),636-637
1967 442.8 K84
Drosophila melanogaster, Drosophila simulans,
Insect populaticns.

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STUDIES ON THE NEURCSECRETORY SYSTEM AND THE FUNCTIONAL SIGNIFICANCE CF NSM IN THE AORTAL WALL OF THE BUG, DYSDERCUS KCENIGII.
G S Dcgra
J Insect Physiol 13(12):1895-1906 REF
Dec 1967 421 J825
Aorta, Insect physiology, Nervous system, Secretion.
Neurcsecretcry material
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13036-68
EVOLUTICN CF XANTHIDE DEHYDROGENASE IN DROSOPHILA.
E J Duke E Glassman
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Biochemistry, Drosophila, Evclution, Xanthine dehydrogenase.
Abstract

13037-68
ANAERCBIOSIS STUDIES WITH MUSCA DOMESTICA. AGE AND SEX DIFFERENCES FOR SURVIVAL RATE AND RECOVERY CAPABILITY. (GE)
W Engels
J Insect Physiol 14(2):253-260 REF
Feb 1968 421 J825
Anoxia, Insect physiology, Mortality, Musca domestica,
Nitrogen, Senescence, Sex.
English abstract
Abstract

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A COMPLETELY DEFINED SYNTHETIC DIET FOR ANTS (HYM., FORMICIDAE).
G Ettershank
Entcmcl Mcn Mag 103(1232-1234):66-67
Jan 1967 421 EN86
Diet, Formicidae, Insect nutrition.

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THE ACTIVATION OF PROPHENOLCXIDASE DURING MELANIZATION OF THE PUPAL BLOCD OF THE CHINESE OAK SILKMOTH, ANTHERAEA PERNYI.
J J T Evans
J Insect Physiol 13(11):1699-1711 REF
Nov 1967 421 J825
Antheraea pernyi, Biochemistry, Blood, Phenolases.
Abstract

13040-68
NATURAL SUBSTRATES OF THE PHENOLOXIDASE IN THE PUPAL BLOOD OF THE SILKMCTHS, ANTHERAEA PERNYI AND A EUCALYPTI.
J J T Evans
J Insect Physiol 14(2):277-291 REF
Feb 1968 421 J825
Antheraea eucalypti, Antheraea pernyi, Biochemistry, Blood,
Melanins, Phenolases, Pupae, Tyrosine.
Abstract

13041-68
THE PCLYMORPHISM IN PHILAENUS SPUMARIUS (L.) (HEMIPTERA: CERCOPIDAE) IN BRITISH COLUMBIA.
D J Parish G G E Scudder
Entcmcl Scc Brit Columbia Proc 64:45-51 REF
01 Aug 1967 420 B77
Insect morphology, Philaenus spumarius.
Abstract

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PACEMAKER FOR TRACHEAL VENTILATION IN THE COCKROACH, PERIPLANETA AMERICANA (L.).
B D Parley J F Case K D Roeder
J Insect Physiol 13(11):1713-1728 REF
Nov 1967 421 J825
Nerves, Periplaneta americana, Respiration, Trachea.
Abstract

13043-68
CHARACTERISTICS OF PHENOL OXIDASES IN NORMONIELLA VITRIPENNIS (WALKER).
R A Pirtel G R Saul
J Insect Physiol 13(8):1197-1206 REF
Aug 1967 421 J825
Biochemistry, Nasonia vitripennis, Phenolases, Temperature.
Abstract

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RESPIRATION IN DROSOPHILA MELANOGASTER IN THE COURSE OF METAMORPHOSIS. EFFECT OF PUPARIUM FORMATION, NYMPHAL MOLTING, AND OF EMERGENCE. (FR)
J Fourche
J Insect Physiol 13(8):1269-1277 REF
Aug 1967 421 JR25
Drosophila melanogaster, Insect respiration, Metamorphosis,
Respirometers.
English summary
Abstract

13045-68
SEXUAL DIFFERENCE IN THE ACTIVITY OF THE PARS INTERCEREBRALIS--CORPUS CARDIACUM--CORPUS ALLATUM SYSTEM OF BOMBYX MORI. (FR)
S Fukuda S Takenchi
Paris Soc Biol Compt Rend 161(5):1174-1177
25 Nov 1967 442.9 P21
Bombyx mori, Central nervous system, Corpora allata,
Corpora cardiaca, Endocrine glands, Sex.

13046-68
FEEDING STIMULI AND ARTIFICIAL FEEDING.
R Galun
World Health Organ Bull 36(4):590-593 REF
1967 449.9 W892R
Aedes aegypti, Culicidae, Feeding, Insect nutrition,
Stimulants.

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THE INFLUENCE OF A SUB-ACUTE INFECTION OF POLYHEDROSIS VIRUS IN THE CABBAGE LOOPER ON SUSCEPTIBILITY TO CHEMICAL INSECTICIDES.
J R Girardeau E R Mitchell
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Feb 1968 421 J822
Endosulfan, Endrin, Polyhedroses, Trichlorfon,
Trichoplusia ni.

13048-68
MULTIPOLAR STRETCH RECEPTORS AND THE INSECT LEG REFLEX.
D M Gnthrie
J Insect Physiol 13(11):1637-1644 REF
Nov 1967 421 J825
Cells, Legs, Mechanoreceptors, Periplaneta americana,
Reflexes.
Abstract

13049-68
EFFECT OF ENDRIN AND TRICHLORFON APPLIED IN ARTIFICIAL DIET AGAINST LARVAE OF SUGAR-CANE BORER DIATRAEA SACCHARALIS (F.) (LEP., PYRALIDAE).
I Hady J Zeleny K Novak
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Chemical control (insects), Diatraea saccharalis, Endrin,
Insect nutrition, Sugarcane, Trichlorfon.

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E Van Handel
J Exp Biol 46(3):487-490
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Culex pipiens, Fat body, Hibernation, Photoperiodism,
Temperature.
Abstract

13051-68
THE EFFECT OF WIND DIRECTION ON THE INDEX OF DIVERSITY OF NIGHT FLYING LEPIDOPTERA IN A PARTICULAR AREA.
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Entomol Rec J Variation 80(2):32-35
Feb 1968 421 EN89
Insect behavior, Insect flight, Lepidoptera, Wind.

13052-68
FLIGHT BEHAVIOUR.
P T Haskell
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1966 420 B81
Insect flight.

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INSECT BEHAVIOR. (ROYAL ENTOMOLOGICAL SOCIETY OF LONDON. SYMPOSIA NO. 3).
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Insect behavior, Symposia.

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INSECTICIDE MODE OF ACTION. EFFECT OF DIELDRIN ON ION MOVEMENT IN THE NERVOUS SYSTEM OF PERIPLANETA AMERICANA AND BLATTELLA GERMANICA COCKROACHES.
M Hayashi F Matsumura
J Agr Food Chem 15(4):622-627
Jul 1967 381 J8223
Blattella germanica, Dieldrin, Insect metabolism, Insecticides, Ions, Nervous system, Periplaneta americana.
Abstract

13055-68
INTERRUPTION OF DIAPAUSE AND REARING LARVAE OF CULISETA MELANURA (COQ).
E O Hayes H K Maxfield
Mosquito News 27(4):456-461 REF
Dec 1967 421 M85
Culiseta melanura, Diapause, Insect rearing, Larvae, Photoperiodism.

13056-68
PHOTODECOMPOSITION OF DIELDRIN AND ALDRIN.
G L Henderson D G Crosby
J Agr Food Chem 15(5):888-893
Sep 1967 381 J8223
Aldrin, Decomposition, Dieldrin, Insecticides, Light, Musca domestica, Pentachloro compounds, Toxicity, Ultraviolet rays.
Abstract

13057-68
EFFECTS OF TEMPERATURE ON SURVIVAL AND DEVELOPMENT OF THE LARCH SAWFLY. (ABSTRACT).
B J Heron
Entomol Soc Manitoba Proc 22:27
1966 420 EN88
Mortality, Pristiphora erichsonii, Temperature.
Abstract

13058-68
EFFECT OF AGE ON (14C)VALINE TURNOVER INTO LOCUST WING PROTEINS.
J P Heslop
Biochem J 104(1):5P-6P
Jul 1967 382 E52
Aging, Amino acids, Biochemistry, Carbon isotopes, Insect physiology, Proteins, Radioactive tracers, Schistocerca gregaria, Valine, Wings (insects).

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DEHYDROGENASE IN CARBOHYDRATE METABOLISM IN LARVAE OF THE SILKWORM, BOMBYX MORI L.
Y Horie
J Insect Physiol 13(8):1163-1175 REF
Aug 1967 421 J825
Bombyx mori, Carbohydrates, Dehydrogenases, Insect metabolism, Larvae.
Abstract

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EXPERIMENTAL STUDY OF DEVELOPMENT IN THE MALE REPRODUCTIVE SYSTEM OF TENEBRIC MOLITOR (COLEOPTERA, TENEBRIONIDAE).
C Huet
Paris Soc Biol Compt Rend 160(11):2021-2025
1966 442.9 P21
Insect physiology, Reproductive organs, Tenebrio molitor, Tenebrionidae.

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THE ACTION OF THE MALE GENITALIA DURING THE COPULATION OF THE HEN FLEA, CERATOPHYLLUS GALLINAE (SCHRANK).
D A Humphries
Roy Entomol Soc London Proc Ser A Gen Entomol
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26 Sep 1967 420 L84PA
Ceratophyllus gallinae, Sex behavior.
Abstract

13062-68
NUTRITIVE EFFECTS OF ALANINE, CYSTINE, GLYCINE, SERINE, AND TYROSINE ON THE SILKWORM, BOMBYX MORI.
T Ito N Arai
J Insect Physiol 13(12):1813-1824
Dec 1967 421 J825
Alanine, Amino acids, Bombyx mori, Cystine, Glycine, Insect nutrition, Serine, Tyrosine.
Abstract

13063-68
A CONTRIBUTION TO THE KNOWLEDGE OF THE DIAPAUSE IN PERILLUS BIOCULATUS (FABR) (HETEROPTERA, PENTATOMIDAE).
J Jasic
Acta Ent Bohemoslov 64(5):333-334
1967 420 C33
Diapause, Insect physiology, Pentatomidae, Perillus bioculatus.

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OVARIOLE DEVELOPMENT IN WORKER HONEY BEES. (ABSTRACT).
S C Jay
Entomol Soc Manitoba Proc 22:26
1966 420 EN88
Apis mellifera, Ovaries.
Abstract

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S C Jay
Entomol Soc Manitoba Proc 22:61-64
1966 420 EN88
Apis mellifera, Nosema disease, Surveys.

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NORMAL DIFFERENTIAL COUNTS OF HAEMOCYTES IN RELATION TO ECDYSIS AND FEEDING IN RHODNIUS.
J C Jones
J Insect Physiol 13(8):1133-1141
Aug 1967 421 J825
Blood, Blood cells, Feeding, Molting (insects), Rhodnius prolixus.
Abstract

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OBSERVATIONS ON TWO RACES OF THE GROUNDNUT APHID, APHIS CRACCIVORA.
M Jones
Entomol Exp Appl 10(1):31-38
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Aphididae, Aphis craccivora, Host specificity.

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THE CIRCADIAN FLIGHT ACTIVITY OF THE MOSQUITO ANOPHELES GAMBIAE: PHASE SETTING BY THE LIGHT REGIME.
M D R Jones M Hill A M Hope
J Exp Biol 47(3):503-511 REF
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Anopheles gambiae, Diurnal rhythm, Insect behavior, Insect flight, Light.
Abstract

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AZOBENZENE CARBAMATES AS INSECTICIDES.
W W Kaeding E E Kenaga
J Agr Food Chem 15(3):512-516
May 1967 381 J8223
Azobenzene carbamates, Beans, Carbamates, Epilachna varivestis, Insecticides, Prodenia eridania.
Abstract

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AN ARTIFICIAL DIET AND SOME GROWTH FACTOR REQUIREMENTS FOR THE PALE WESTERN CUTWORM.
R Kasting A J McGinnis
Can J Zool 45(5):787-796 REF
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Agrotis orthogonia, Insect nutrition, Insect physiology, Synthetic diets, Vitamins.
Abstract

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PHOSPHOLIPASE ACTIVITY IN MUSCA DOMESTICA L.
M A Q Khan E Bodgson
Compar Biochem Physiol 23(3):899-910 REF
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Biochemistry, Insect physiology, Musca domestica, Phormia regina, Phospholipase.
Abstract

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THE DISTRIBUTION AND LOCALIZATION OF DIGESTIVE ENZYMES IN THE ALIMENTARY CANAL AND SALIVARY GLANDS OF THE COTTON STAINER, DYSDERCUS FASCIATUS.
M R Khan J B Ford
J Insect Physiol 13(11):1619-1628 REF
Nov 1967 421 J825
Biochemistry, Cotton, Dysdercus fasciatus, Enzymes, Intestines, Salivary glands, Seeds.
Abstract

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SENITA CACTUS ALKALOIDS: THEIR SIGNIFICANCE TO SONORAN DESERT DROSOPHILA ECOLOGY.
H W Kircher W B Heed J S Russell J Grove
J Insect Physiol 13(12):1869-1874 REF
Dec 1967 421 J825
Alkaloids, Drosophila, Insect ecology.
Abstract

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Jap J Appl Entomol Zool 11(2):71-75
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Blood plasma, Bombyx mori, Chilo suppressalis, Musca domestica, Periplaneta americana, Proteins, Sex.
English summary
Abstract

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PURIFICATION AND PROPERTIES OF ACID RIBONUCLEASES FROM POSTEFFICE SILK GLAND OF SILKWORM.
K Koga J I Mukai S Akuno
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Biochemistry, Bombyx mori, Chromatography, Ribonuclease, Silk glands.
Abstract

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TANGLEFOOT TRAPS FOR DETECTION OF THE BALSAM WOOLLY APHID.
H L Lambert B T Franklin
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Dec 1967 421 J822
Abies, Adelges piceae, Forest insects, Insect traps.
Abstract

13077-68
EXPERIMENTAL EVIDENCE FOR A HORMONAL CONTROL OF DIGESTION IN THE TSETSE FLY, GLOSSINA MORSITANS WESTWOOD: A STUDY OF THE LARVA, PUPA, AND TENERAL ADULT FLY.
P A Langley
J Insect Physiol 13(12):1921-1931 REF
Dec 1967 421 J825
Digestion, Glossina morsitans, Hormones, Insect physiology, Larvae, Pupae.
Abstract

13078-68
USE OF LETHAL TEMPERATURE IN THE STUDY OF EFFECTS OF THERMAL TREATMENTS ON THE DEVELOPMENT OF SEVERAL PRIMARY SEXUAL CHARACTERS IN THE TRIPLOID INTERSEXED DROSOPHILA MELANOGASTER MEIG. (FR)
G Lauge
Paris Soc Biol Compt Rend 161(1):16-21
27 Jun 1967 442.9 P21
Drosophila melanogaster, Heat, Intersexuality, Sex.

13079-68
NON-SPECIFICITY OF THE MALE FACTOR ENHANCING EGG-LAYING IN DIPTERA.
M G Leahy
J Insect Physiol 13(8):1283-1292 REF
Aug 1967 421 J825
Aedes aegypti, Culex pipiens, Diptera, Drosophila melanogaster, Extracts, Ovulation.
English abstract
Abstract

13080-68
A LABORATORY STUDY OF SITOTROGA PANICEUM (L.) (COLEOPTERA: ANOBIIDAE).
L P Lefkovitch
J Stored Prod Res 3(3):235-249 REF
Oct 1967 421 JR29
Anobiidae, Insect physiology, Stegobium paniceum.
Abstract

13081-68
FACTORS AFFECTING ADULT SURVIVAL AND FECUNDITY IN LASIODERMA SERRICORNE (F.) (COLEOPTERA, ANOBIIDAE).
L P Lefkovitch J E Currie
J Stored Prod Res 3(3):199-212 REF
Oct 1967 421 J829
Fertility, Insect ecology, Insect physiology, Lasioderma serricorne, Mortality.
Abstract

13082-68
ETHYLENE OXIDE AGAINST THE GREATER WAX MOTH.
T Lehnert H Shimanuki
J Econ Entomol 61(1):317-318
Feb 1968 421 J822
Ethylene oxide, Fumigation, Galleria mellonella.

13083-68
TOPICAL TOXICITY OF SEVERAL CHLORINATED HYDROCARBON, ORGANOPHOSPHOROUS, AND CARBAMATE INSECTICIDES TO LYGUS HESPERUS.
T F Leigh C E Jackson
J Econ Entomol 61(1):328-330
Feb 1968 421 J822
Carbamates, Chlorinated hydrocarbons, Insecticides, Lygus hesperus, Organophosphorus compounds, Toxicology.

13084-68
OBSERVATIONS OF THE SWARMING BEHAVIOR OF SIMULIUM DAMNOSUM (THEOBALD) IN UPPER VOLTA AND THE CAMEROONS. (GE)
R LeBerre P Wenk
Deut Zool Ges Verhandl 30(SUP):367-372
1967 410.9 D4R
Insect behavior, Simulium damnosum.

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ETHOLOGICAL NOTES ABOUT EGG-LAYING AND THE NEWLY EMERGED LARVA OF BRUCHIDIUS ATER (MARSH.) (COL. BRUCHIDAE). (FR)
Y De Luca
Soc Entomol France Bull 72(102):16-20
Jan 1967 420 P84B
Bruchidius ater.

13086-68
INSECTICIDE HORMOLIGOSIS.
T D Luckey
J Econ Entomol 61(1):7-12 REF
Feb 1968 421 J822
Acheta domesticus, Dosage, Insect nutrition, Insecticides, Toxicity.
Effects of sublethal dosages of 13 insecticides.
Abstract

13087-68
INSECT NUTRITION - QUALITY AND QUANTITY.
A J McGinnis R Kasting
Entomol Soc Manitoba Proc 22:27
1966 420 EN88
Grasshoppers, Insect nutrition.

13088-68
A SIMPLE METHOD OF MOSQUITO OVARY DISSECTION.
K E Meadows
Fla Entomol 51(1):31-35
Mar 1968 420 F662
Culicidae, Dissection, Ovaries.
Abstract

13089-68
PHOSPHOLIPIDS IN THE HAEMOLYMPH OF DESERT LOCUST, SCHISTOCERCA GREGARIA FORSKAL.
K N Mehrotra G R Sethi M W Rhamburkar
Indian J Entomol 28(4):468-476 REF
Dec 1966 420 IN23
Chromatography, Hemolymph, Phospholipids, Schistocerca gregaria.

13090-68
THE PHYSIOLOGICAL DIVISION OF LABOUR IN THE SALIVARY GLANDS OF ONCOPELTUS FASCIATUS (DALL.) (HETEROPTERA: LYGAEIDAE).
P W Miles
Australian J Biol Sci 20(4):785-797 REF
Aug 1967 442.8 AU72
Insect physiology, Lygaeidae, Oncopeltus fasciatus, Salivary glands.
Abstract

13091-68
GUSTATION OF DIETARY AMINO ACIDS BY THE APHID MYZUS PERSICAE.
T E Mittler
Entomol Exp Appl 10(1):87-96
1967 421 EN895
Amino acids, Aphididae, Diet, Myzus persicae.

13092-68
EFFECT OF AMINO ACID AND SUGAR CONCENTRATIONS ON THE FOOD UPTAKE OF THE APHID MYZUS PERSICAE.
T E Mittler
Entomol Exp Appl 10(1):39-51 REF
1967 421 EN895
Amino acids, Aphididae, Diet, Insect nutrition, Myzus persicae, Sugars.

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CORTISOL AND GROWTH IN INSECTS.
W Mordue
Compar Biochem Physiol 23(3):721-727 REF
Dec 1967 444.8 C73
Amino acids, Excreta, Growth factors, Hydrocortisone, Molting (insects), Proteins, Schistocerca gregaria, Tenebric molitor, Uric acid.
Abstract

13094-68
CHARACTERISTICS OF A LARVAL PROTEINASE OF CALLIPHORA ERYTHROCEPHALA MEIGEN. (GE)
J G Moser
Deut Zool Ges Verhandl 30(SUP):112-116
1967 410.9 D48
Calliphora vicina, Larvae, Proteinases.

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FATTY ACID COMPOSITION OF THE SILKWORM, BOMBYX MORI L.
S Nakasone T Ito
J Insect Physiol 13(8):1237-1246 REF
Aug 1967 421 J825
Biochemistry, Bombyx mori, Fatty acids.
Abstract

13096-68
CONTRIBUTION TO THE BIOLOGY OF THE COTTON LEAFWORM, PRODENIA LITURA (F), WITH REFERENCE TO LARVAL COLOURATION (LEPIDOPTERA: NOCTUIDAE).
El S A Nasr M M Ibrahim
Soc Entomol Egypte Bull 49:159-162
1967 420 EG9
Prodenia litura.

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LABORATORY CULTURE OF TRIATOMA INFESTANS (KLUG, 1834) (HEMIPTERA, REDUVIIDAE). (SP)
A Neghme E Alfaro H Reyes H Schenone
Bol Chilenc Parasitol 22(3):107-112 REF
Jul 1967 436.9 C43
Insect rearing, Reduviidae, Triatoma infestans.
English abstract
Abstract

13098-68
FATTY ACID COMPOSITION OF THE DIET AND LARVAE AND BIOSYNTHESIS OF FATTY ACIDS FROM 14C-ACETATE IN THE CABBAGE LOOPER, TRICHOPLUSIA NI.
D R Nelson D E Sukkestad
J Insect Physiol 14(2):293-300 REF
Feb 1968 421 J825
Acetates, Biochemistry, Carbon isotopes, Diet, Fatty acids, Radioactive tracers, Trichoplusia ni.
Abstract

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ANTS FROM CLOSE UP. QL568.F7N4.
L H Newman
112 P. REF, NEW YORK, CROWELL
1967
Formicidae, Insect behavior, Insect nutrition.

13100-68
CHANGES IN ELECTROPHORETIC PROPERTIES OF HAEMOLYMPH AND TERMINAL OOCYTE PROTEINS DURING VITELLOGENESIS IN THE AMERICAN COCKROACH.
D J Nielsen R R Mills
J Insect Physiol 14(2):163-170 REF
Feb 1968 421 J825
Biochemistry, Blood plasma, Electrophoresis, Oogenesis, Periplaneta americana, Proteins.
Abstract

13101-68
FOOD PLANTS OF JAPANESE SYMPHYTA. I. (JA)
T Okutani
Jap J Appl Entomol Zool 11(2):43-49
Jun 1967 475 J27
Food plants, Symphyta.
English summary
Abstract

13102-6R
RESPONSES OF TARSAL HAIRS OF THE BLUEBOTTLE, CALLIPHORA ERYTHROCEPHALA MEIG., TO SUGAR AND WATER.
C J Den Otter H Van Der Starre
J Insect Physiol 13(8):1177-1188 REF
Aug 1967 421 J825
Calliphora vicina, Chemoreceptors, Oscillographs, Sugar, Water.
Abstract

13103-68
FACTORS AFFECTING THE RESISTANCE OF INSECT EGGS TO SULPHURYL FLUORIDE. I. THE UPTAKE OF SULPHORYL-35S FLUORIDE BY INSECT EGGS.
I Outram
J Stored Prod Res 3(3):255-260 REF
Oct 1967 421 J829
Absorption (biological), Fumigants, Insect eggs, Schistocerca gregaria, Sulfuryl fluoride, Tenebrio molitor.
Abstract

13104-68
THE ESTABLISHMENT OF REFERENCE AND MARKER STRAINS AND THEIR SHIPMENT.
R Pal
World Health Organ Bull 36(4):583-585
1967 449.9 WR92B
Aedes aegypti, Experimental insects, Freight transportation.

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INDUCED MOTATION BY GAMMA RAY AND NEOTRON IN TUSSAR SILKWORM ANTHERAEA PERNYI. (KO)
K E Park
Seoul Univ J Biol Agr Ser (b) 17:76-82 REF
Sep 1966 442.9 S084
Antheraea pernyi, Gamma rays, Mutation, Neutrons.
English summary
Abstract

13106-68
COMPARATIVE STUDIES ON RECIPROCAL INTERCHANGE OF THE CORPORA ALLATA BETWEEN MALES AND FEMALES OF ADULT SCHISTOCERCA GREGARIA (FORSKAL) (ORTROPTERA: ACRIDIDAE).
M F Pener
Roy Entomol Soc London Proc Ser A Gen Entomol 42(10-12):139-148 REF
29 Dec 1967 420 L84PA
Color, Corpora allata, Insect physiology, Schistocerca gregaria, Sex behavior.
Abstract

13107-68
ACTION OF NATURAL IONIZING RADIATIONS IN DROSOPHILA MELANOGASTER. (FR)
H Planel J P Soleihavoup M C Giess R Tixador
Paris Soc Biol Compt Rend 161(2):467-470
20 Jnl 1967 442.9 P21
Cosmic rays, Drosophila melanogaster, Insect physiology.

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BIOLOGY OF THE ICHNEUMONID PARASITES OF NEODIPRION SERTIFER (GEOFFROY) (HYMII DIPRIONIDAE) IN EUROPE.
H Pschorn-Walcher
Commonwealth Inst Biol Contr Tech Bull 8:7-52 REF
Mar 1967 423.92 C733T
Ichneumonidae, Insect biology, Neodiprion sertifer, Parasitic insects.
Abstract

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MULTIPLICATION OF RICKETTSIAE IN TICK CELLS IN VITRO.
J Rehacek R Brezina M Majerska
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Cells, Chick embryos, Rickettsia.

13110-6R
STUDY OF THE RECONSTITUTION OF THE CUTICLE AS A RESULT OF OF A TEGUMENTARY EXCISION IN LOCOSTA MIGRATORIA. (FR)
E Rinterknecht
Arch Zool Exp Gen 108(3):461-502 REF

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1967 410 AB24
Cuticle, Insect physiology, Locusta migratoria.
English and French summaries
Abstract

13111-68
REARING THE TOBACCO BUDWORM IN HONEYCOMB-LIKE CELLS.
J L Echerson L W Noble
J Econ Entomol 61(1):331-332
Feb 1968 421 J822
Heliothis virescens, Insect rearing, Insect rearing equipment.

13112-68
OBSERVATIONS ON THE ALFALFA LEAF-CUTTER BEE, MEGACHILE ROTUNDATA, AT BRANDON, MANITOBA IN 1966.
D E Robertson
Entomol Soc Manitoba Proc 22:34-37
1966 420 EN88
Alfalfa, Bee pollinators, Insect rearing, Megachile rotundata, Weather.

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CELLULAR AGE CHANGES IN INSECTS. IN: ASPECTS OF THE BIOLOGY OF AGING, H. T. WOODHOUSE, ED.
M Beckstein
Soc Exp Biol Symp 21:337-345 REF
1967 442.S SO15
Aging, Cells, Insect physiology, Symposia.
Symposia, no. 21

13114-68
PREVIOUS STUDIES ON THE EFFECT OF X-IRRADIATION ON THE HOUSE FLY, MUSCA DOMESTICA L.
M Beckstein M Dauer P L Bhatnagar
Radiat Res 31(4):840-845 REF
Aug 1967 334.8 R11
Mortality, Musca domestica, Wings (insects), X-rays.
Abstract

13115-68
EFFECT OF POPULATION DENSITY ON THE LARVAL COLORATION AND DEVELOPMENT OF LARVA AND PUPA IN THE LARGER PELLUCID HAWK MOTH, CEPHONODES HYLAS L (LEPIDOPTERA: SPHINGIDAE). (JA)
M Sasakawa S Yamazaki
Jap J Appl Entomol Zool 11(4):157-163
Dec 1967 475 J27
Color, Insect physiology, Insect populations, Larvae, Pupae, Sphingidae.
English summary
Abstract

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SURVIVAL AND REPRODUCTION IN A NATURAL POPULATION OF THE TSETSE FLY, GLOSSINA PALPALIS PALPALIS (ROBINSON-DESVOIDY).
D S Saunders
Roy Entomol Soc London Proc Ser A Gen Entomol
42(7):129-137 REF
26 Sep 1967 420 L84PA
Glossina palpalis, Insect populations, Mortality, Reproduction.
Abstract

13117-68
THE RELATIONSHIP OF THE FATTY ACID COMPOSITION OF HELIOTHIS ZEA LARVAE TO THAT OF ITS DIET.
C H Schaefer
J Insect Physiol 14(2):171-178 REF
Feb 1968 421 J825
Biochemistry, Broadbeans, Diet, Fatty acids, Heliothis zea, Hexadecenoic acid, cis-9-, Insect nutrition, Larvae, Linolenates, Wheat germ.
Abstract

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TRANSPLANTING CLEAVAGE AND BLASTODERM CELLS IN ENUCLEATED EGG OF LEPTINOTARSA DECEMLINEATA (COLEOPTERA). (GE)
W Schnetter
Deut Zool Ges Verhandl 30(SUP):494-499
1967 410.9 D48
Cells, Insect eggs, Leptinotarsa decemlineata.

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MATING, RESTING HABITS AND DISPERSAL OF AEDES AEGYPTI.
H E Schoof
World Health Organ Bull 36(4):600-601 REF
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Aedes aegypti, Insect behavior, Insect dissemination, Sex behavior.

13120-68
THE WILD TYPE PHENOCOPY OF THE BODY MUTANT OF DROSOPHILA MELANOGASTER AND ITS RELATION TO XANTHINE DEHYDROGENASE ACTIVITY. (GE)
I Schwinck
Deut Zool Ges Verhandl 30(SUP):382-390 REF
1967 410.9 D48
Biochemistry, Drosophila melanogaster, Enzymes, Insect morphology, Insect physiology, Xanthine dehydrogenase.
Abstract

13121-68
SEXUAL BEHAVIOR IN BLISTER BEETLES (COLEOPTERA: MELOIDAE). II. LINSLEYA CONVEXA.
R B Selander J D Pinto
Kans Entomol Soc J 40(3):396-412
Jul 1967 420 K13
Insect behavior, Meloidae, Sex behavior.
Abstract

13122-68
FORMATION OF SEXUPARAE IN THE APHID, ERIOSOMA PYRICOLA, ON PEAR ROOTS.
S L Sethi K G Swenson
Entomol Exp Appl 10(1):97-102 REF
1967 421 EN895
Aphididae, Erioischia brassicae, Eriosoma pyricola, Parthenogenesis, Photoperiodism, Reproduction.

13123-68
STRUCTURE, FATIGUE, AND ENZYME ACTIVITIES IN 'FAST' INSECT MUSCLES.
W A Smit G Becht A M T Reenakkers
J Insect Physiol 13(12):1857-1868 REF
Dec 1967 421 J825
Enzymes, Fatigue (physiological), Insect anatomy, Muscles, Periplaneta americana.
Abstract

13124-68
THE NEED FOR STANDARD AND OTHER STRAINS OF AEDES AEGYPTI FOR RESEARCH.
C N Smith
World Health Organ Bull 36(4):581-582
1967 449.9 W892B
Aedes aegypti, Experimental insects.

13125-68
EFFECT OF GAMMA IRRADIATION ON FEMALE CULEX PIPIENS QUINQUEFASCIATUS.
R J Smittle
Fla Entomol 51(1):59-61
Mar 1968 420 F662
Cobalt isotopes, Culex pipiens quinquefasciatus, Gamma rays, Insect eggs.
Abstract

13126-68
DIGESTION BY THE LARVA OF THE RHINOSE SCARAB, SERICESTHIS GEMINATA.
C F Soo Hoo A Dudzinski
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1967 421 EN895
Carbohydrates, Insect nutrition, Sericesthis geminata.

13127-68
SEMINAL LOSS IN REPEATEDLY MATED FEMALE AEDES AEGYPTI.
A Spielman M G Leahy V Skaff
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Jun 1967 442.8 B52
Aedes aegypti, Reproduction, Semen.
Abstract

13128-68
ON THE HYDROGEN-ION CONCENTRATION IN THE ALIMENTARY CANAL AND BLOOD OF PHYTOPHAGOUS LARVAL LEPIDOPTERA.
B K Srivastava L M L Mathur
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Dec 1966 420 IN23
Blood, Hydrogen-ion concentration, Larvae, Lepidoptera.

13129-68
STUDIES ON THE METABOLISM OF DDT IN THE DESERT LOCUST BY PAPER CHROMATOGRAPHY.
P D Srivastava A Mansingh
Indian J Entomol 28(4):465-467 REF
Dec 1966 420 IN23
Chromatography, Ddt, Insect metabolism, Schistocerca gregaria.

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MAXILLARY GLANDS OF SOME COLEOPTERAN LARVAE.
D S Srivastava
Indian J Entomol 28(4):547-550 REF
Dec 1966 420 IN23
Coleoptera, Glands (insects), Larvae, Mouth parts.

13131-66
MARKED SENSITIVITY OF INSECT CELL LINES TO FUNGIZONE (AMPHOTERICIN B).
M S M Stanley J L Vaughn
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Nov 1967 421 J825
Aedes aegypti, Amphotericin b, Antheraea eucalypti, Antibiotics, Cells.
Abstract

13132-66
CARBORYDRATE METABOLISM IN THE FLIGHT MUSCLE OF THE SOUTHERN ARMYWORM MOTH, PRODENIA ERIDANIA.
E Stevenson
J Insect Physiol 14(2):179-198 REF
Feb 1968 421 J825
Biochemistry, Carbohydrates, Insect metabolism, Mitochondria, Muscles, Prodenia eridania.
Abstract

13133-66
ION MOVEMENTS AND WATER TRANSPORT IN THE RECTUM OF THE LOCUST, SCHISTOCERCA GREGARIA.
E H Stobart
J Insect Physiol 14(2):269-275 REF
Feb 1968 421 J825
Biochemistry, Blood plasma, Ions, Potassium, Rectum, Schistocerca gregaria, Sodium, Water.
Abstract

13134-66
THE PHENOMENON OF INTRAFOLLICULAR CONTROL IN AQUATIC ORGANISMS. AN ATTEMPT AT IMMUNOLOGICAL INTERPRETATION OF ITS PHYSIOLOGY. (POL)
E Styczynska-Jurewicz
Kosmos Ser A Biol 16(3),275-292 REF
1967 442.8 K84
Aquatic animals, Aquatic insects, Insect physiology.

13135-66
OCCURRENCE OF THE LARVAE OF "HARVEST OR SCRUB ITCH-MITES" (ACARINA, TROMBIDIDAE) ON A SCORPION.
M V Subbarao A Venkataratnam K J Christopher
Indian J Entomol 28(4):550-552
Dec 1966 420 IN23
Larvae, Mites, Trombidoidea.

13136-66
EFFECT OF APHOLATE ON REPRODUCTIVE ORGAN OF THE FEMALE SILKWORM, BOMBYX MORI, WITH SPECIAL REFERENCE TO HISTOPATHOLOGICAL OBSERVATION OF THE OVARIES. (JA)
E Sugai
Jap J Appl Entomol Zool 11(2):66-70 REF
Jun 1967 475 J27
Bombyx mori, Chemosterilants, Insect histology, Ovaries, Reproductive organs.
English summary
Abstract

13137-66
FACTORS AFFECTING THE OVIPOSITION OF AEDES AEGYPTI.
G Surtees
World Health Organ Bull 36(4):594-596 REF
1967 449.9 W892B
Aedes aegypti, Insect ecology, Ovulation.

13138-66
SOME EFFECTS OF THERMAL ACCLIMATION ON MUSCLE APYRASE ACTIVITY AND MITOCHONDRIAL NUMBER IN PERIPLANETA AMERICANA AND MUSCA DOMESTICA.
C I Thiessen J A Hutchmor
J Insect Physiol 13(12):1837-1842
Dec 1967 421 J825
Apyrase, Biochemistry, Cold, Heat, Musca domestica, Muscles, Periplaneta americana.
Abstract

13139-66
FLIGHT IN DROSOPHILA. III. AERODYNAMIC CHARACTERISTICS OF FLY WINGS AND WING MODELS.
S Vogel
J Exp Biol 46(3):431-443 REF
Jun 1967 442.8 E77
Aerodynamics, Insect flight, Wings (insects).
Abstract

13140-68
INFLUENCE OF AGE ON OVARIAN FUNCTION IN DROSOPHILA MELANOGASTER. (FR)
J M Wattiaux
J Insect Physiol 13(8):1279-1282
Aug 1967 421 J825
Aging, Drosophila melanogaster, Insect physiology, Ovaries.
English abstract
Abstract

13141-68
OPTICAL ORIENTATION OF THE HONEY BEE (APIS MELLIFICA) ACCORDING TO THE FRONTAL ANGLE OF THE PERCEIVED STRIATED PATTERN. (GE)
R Wehner M Lindauer
Deut Zool Ges Verhandl 30(SUP):239-246
1967 410.9 D48
Apis mellifera, Insect behavior, Vision.

13142-68
BEHAVIOUR OF SOCIAL INSECTS.
E O Wilson
Roy Entomol Soc London Symp 3:81-96 REF
1966 420 R81
Insect behavior, Social insects.

13143-68
NEW FINDINGS CONCERNING PHEROMONES PRODUCED BY TROGODERMA GRANARIUM (EVERTS), (COLEOPTERA, DERMESTIDAE).
D Yinon A Shulov
J Stored Prod Res 3(3):251-254 REF
Oct 1967 421 J829
Attractants, Hormones, Insect repellents, Tribolium castaneum, Trogoderma granarium.
Abstract

Genetics

13144-68
KINETIC ORGANIZATION OF LEPIDOPTERA CHROMOSOMES. (GE)
H Bauer
Chromosoma 22(2):101-125 REF
1967 442.8 C46
Chromosomes, Kinetics, Lepidoptera, Pieris brassicae, Samia cynthia, X-rays.
English abstract
Abstract

13145-68
FORMAL GENETICS AND CYTOGENETICS OF AEDES AEGYPTI.
W Z Coker
World Health Organ Bull 36(4):555-558 REF
1967 449.9 W892B
Aedes aegypti, Cytogenetics, Insect genetics.

13146-68
RESEARCH NEEDS AND PROSPECTIVES: GENETICS.
W Z Coker
World Health Organ Bull 36(4):648-649
1967 449.9 W892B
Aedes aegypti, Insect genetics, Research.

13147-68
CURRENT STATUS OF THE FORMAL GENETICS OF AEDES AEGYPTI.
G B Craig W A Hickey
World Health Organ Bull 36(4):559-562 REF
1967 449.9 W892B
Aedes aegypti, Insect genetics.

13148-68
MOLECULAR BASIS FOR THE GENETIC REGULATION AND COORDINATION OF THE DIFFERENTIATION PROCESS. (GE)
A Egelhaaf
Deut Zool Ges Verhandl 30(SUP):455-476 REF
1967 410.9 D48
Biochemistry, Chironomus, Insect genetics, Molecules.
Includes some insects.

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13149-6E
CHROMOSOME FORMULAE OF LEPIDOPTERA RHOPALOCERA FROM NORTH AFRICA. (FR)
H De Lesse
Soc Entomol France Bull 72(1/2):20-25 REF
Jan 1967 420 F64E
Chromosomes, Rhopalocera.

13150-6E
GENETICS OF VECTORIAL CAPACITY.
W R Macdonald
World Health Organ Bull 36(4):566-568 REF
1967 449.9 W892E
Aedes aegypti, Insect genetics, Insect vectors.

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EFFECT OF TEMPERATURE ON THE DEGREE OF INTERSEXUALITY IN LYMANTRIA DISPAR L. (GE)
G C Mosbacher
Deut Zool Ges Verhandl 30(SUP):509-521 REF
1967 410.9 D48
Gynandromorphism, Insect genetics, Intersexuality, Porthetria dispar, Temperature.

13152-6E
INHERITANCE OF ETHER RESISTANCE IN DROSOPHILA MELANOGASTER.
M Ogaki E Nakashima-Tanaka S Murakami
Jap J Genet 42(6):367-394 REF
Dec 1967 442.9 J27
Anesthesia, Drosophila melanogaster, Ethyl ether, Insect genetics, Insecticide resistant insects, Resistance to ether anesthesia
Abstract

13153-6E
CYTOGENETICS OF AEDES AEGYPTI.
K S Rai
World Health Organ Bull 36(4):563-565 REF
1967 449.9 W892B
Aedes aegypti, Cytogenetics.

13154-6E
INHERITED PARTIAL STERILITY AMONG SURVIVORS FROM IRRADIATION-ERADICATION EXPERIMENT.
D W Walker V Quintana
J Econ Entomol 61(1):318-319
Feb 1968 421 J822
Biological control (insects), Cobalt isotopes, Diatraea saccharalis, Gamma rays, Insect genetics, Irradiation, Sterility.

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PERSISTENCE OF LETHAL GENES ASSOCIATED WITH SD IN NATURAL POPULATIONS OF DROSOPHILA MELANOGASTER.
T K Watanabe
Jap J Genet 42(6):375-386 REF
Dec 1967 442.9 J27
Drosophila melanogaster, Genes, Insect genetics, Lethal factor.
Abstract

Medical Entomology

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WORLD HEALTH ORGANIZATION. SEMINAR ON THE ECOLOGY, BIOLOGY, CONTROL, AND ERADICATION OF AEDES AEGYPTI, 16-20 AUGUST 1965, GENEVA, SWITZERLAND.
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Aedes aegypti, Insect biology, Insect control, Insect ecology, Symposia.

13157-6E
EVALUATION OF INSECTICIDES AGAINST FOUR SPECIES OF ADULT MOSQUITOES IN THE PANAMA CANAL ZONE, 1967.
B M Altman M M Boreham
Mosquito News 27(4):506-508
Dec 1967 421 M85
Aedes taeniorhynchus, Anopheles albimanus, Culex pipiens, Culicidae, Fenthion, Insecticides, Malathion, Mansonia, Naled, Toxicity.

13158-68
HISTORY OF MOSQUITO CONTROL IN GREATER WINNIPEG FROM 1925 TO 1966 AND AN OUTLINE OF PRESENT OPERATIONS.
P Belski
Entomol Soc Manitoba Proc 22:47-52
1966 42D EN8B
Cities, Culicidae, History, Insect control.

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TRAPPING MOSQUITOES WITH SOUND. (ABSTRACT).
P Belton
Calif Mosquito Contr Ass Proc Pap 35:98
1967 428 C763
Aedes stimulans, Attractants, Culicidae, Insect traps, Sound waves.

13160-68
ORGANIZATION AND ADMINISTRATION OF AEDES AEGYPTI CONTROL AND ERADICATION PROGRAMME.
S Camargo
World Health Organ Bull 36(4):610-613
1967 449.9 W892B
Aedes aegypti, Insect control, Management.

13161-6B
SEASONAL ACTIVITY OF MOSQUITO PREDATORS IN WOODLAND POOLS IN ONTARIO.
Mosquito News 27(4):453-457
Dec 1967 421 M85
Aedes, Aquatic insects, Culicidae, Predaceous insects.

13162-68
GENETIC CONTROL OF AEDES AEGYPTI.
G B Craig
World Health Organ Bull 36(4):628-632 REF
1967 449.9 W892B
Aedes aegypti, Biological control (insects), Insect biology, Insect control, Insect genetics, Insect rearing, Reproduction.

13163-68
EGG PRODUCTION OF HOUSE-FLY, ADULTS FED HUMAN BLOOD CONTAINING VARIOUS SUPPLEMENTS.
D M Davies E L Anderson
Entomol Soc Ontario Proc 97:111-114 REF
1966 420 ON8
Blood, Feed supplements, Fertility, Humans, Insect eggs, Insect nutrition, Musca domestica, Sucrose.

13164-6B
RESPONSES OF AEDES AEGYPTI (L) FROM ALABAMA, GEORGIA AND SOUTH CAROLINA TO DDT, DIELDRIN, AND MALATHION.
A D Flynn H F Schoof
Mosquito News 27(4):509-512
Dec 1967 421 M85
Aedes aegypti, Culicidae, Ddt, Dieldrin, Insecticides, Malathion, Toxicity.

13165-68
THE EGG-LAYING HABITS OF AEDES AEGYPTI (LINNAEUS) IN CENTRAL TEXAS.
B L Boffmann B F Killingsworth
Mosquito News 27(4):466-469
Dec 1967 421 M85
Aedes aegypti, Attractants, Culicidae, Ethyl acetate, Insect eggs.

13166-68
ULV AERIAL INSECTICIDE APPLICATION FOR ADULT MOSQUITO CONTROL.
F W Knapp C H Gayle
Mosquito News 27(4):478-482
Dec 1967 421 M85
Aerial spraying, Chemical control (insects), Fenthion, Insecticide application, Malathion, Naled, Ultra low volume application.

13167-68
INTEGRATED CONTROL AND PUBLIC HEALTH ENTOMOLOGY. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. F62.
M Laird J W Wright
3:77-79, REF.
1966
Integrated control (insects), Medical entomology, Public health.

13168-68
AEDES AEGYPTI AND OTHER MOSQUITOS IN RELATION TO THE DENGUE SYNDROME.
P F Mattingly

World Health Organ Bull 36(4):533-535 REF
1967 449.9 WB92B
Aedes aegypti, Culicidae, Dengue (man), Insect vectors.

13169-68
CURRENT RESEARCH BY THE USDA OF POTENTIAL SIGNIFICANCE TO WORLD-WIDE MOSQUITO CONTROL.
W C McDuffie D E Weidhaas
Mosquito News 27(4):447-453 REF
Dec 1967 421 M85
Attractants, Biological control (insects), Chemical control (insects), Insect repellents, Insecticides.

13170-68
THE DANGER-INDEX OF THE SYNANTHROPIC FLIES.
F Mihalyi
Acta Zool (Budapest) 13(3-4):373-377
1967 410 AC85
Diptera, Humans, Insect pests, Statistical analysis.

13171-68
SEPARATING THE RURAL AND URBAN SYNANTHROPIC FLY FAUNAS.
F Mihalyi
Acta Zool (Budapest) 13(3-4):379-383 REF
1967 410 AC85
Communities, Diptera, Humans, Insect ecology, Insect pests.

13172-68
NECESSARY RESEARCH AND PRIORITIES: RESISTANCE TO INSECTICIDES. (FR)
J Mouchet
World Health Organ Bull 36(4):653-654
1967 449.9 WB92B
Aedes aegypti, Insecticide resistant insects, Research.

13173-68
RESISTANCE TO INSECTICIDES IN AEDES AEGYPTI AND RELATED SPECIES. (FR)
J Mouchet
World Health Organ Bull 36(4):569-577 REF
1967 449.9 WB92B
Aedes aegypti, Culicidae, Insecticide resistant insects.

13174-68
ULTRA-LOW VOLUME AND CONVENTIONAL AERIAL SPRAYS FOR CONTROL OF ADULT SALT-MARSH MOSQUITOES, AEDES SOLLICITANS (WALKER) AND AEDES TAENIORHYNCHUS (WIEDEMANN), IN FLORIDA.
G A Mount C S Lofgren
Mosquito News 27(4):473-477
Dec 1967 421 M85
Aedes sollicitans, Aedes taeniorhynchus, Aerial spraying, Chemical control (insects), Culicidae, Fenthion, Insecticides, Malathion, Naled, Ultra low volume application.

13175-68
NEW INSECTICIDES AS NONTHERMAL AEROSOLS FOR CONTROL OF ADULT MOSQUITOES.
G A Mount C S Lofgren
Mosquito News 27(4):470-473
Dec 1967 421 M85
Aedes taeniorhynchus, Aerosols, Anopheles quadrimaculatus, Chemical control (insects), Culex pipiens, Culicidae, Insecticides.

13176-68
ON THE ROLE OF JAPANESE MOSQUITOES ESPECIALLY OF CULEX PIPIENS FALLENS IN THE TRANSMISSION OF BANCROFTIAN FILARIASIS. IN: PROGRESS OF MEDICAL PARASITOLOGY IN JAPAN, VOL. 3. K. MORISHITA,Y. KOMIYA, AND E. MATSUBAYASHI, EDITORS.
423 M823.
N Omori
467-507, REF.
1966
Aedes, Anopheles, Filariasis, Insect vectors.
Bibliography, p. 501-507

13177-68
PRELIMINARY OBSERVATIONS ON THE INCIDENCE AND BIOLOGY OF A MERMITHID NEMATODE OF AEDES SOLLICITANS (WALKER) IN LOUISIANA.
J J Petersen R C Chapman D E Woodard
Mosquito News 27(4):493-498
Dec 1967 421 M85
Aedes sollicitans, Culicidae, Nematodes, Parasitism.

13178-68
AEDES AEGYPTI AND HAEMORRHAGIC FEVER.
A Rudnick
World Health Organ Bull 36(4):528-532 REF
1967 449.9 WB92B
Aedes aegypti, Epidemic hemorrhagic fever, Insect vectors.

13179-68
INITIATION OF THE AEDES AEGYPTI ERADICATION PROGRAMME OF THE USA.
D J Schliessmann
World Health Organ Bull 36(4):604-609,MAP
1967 449.9 WB92B
Aedes aegypti, Insect control, United States.

13180-68
OBSERVATIONS ON CULEX PIPIENS LARVAE INFESTED WITH VORTICELLA SP.
H Schober
Mosquito News 27(2):523-524
Dec 1967 421 M85
Culex pipiens, Culicidae, Insect diseases, Larvae, Protozoa, Vorticella.

13181-68
INSECTICIDES FOR USE AGAINST AEDES AEGYPTI.
A P Schoof
World Health Organ Bull 36(4):618-622
1967 449.9 WB92B
Aedes aegypti, Dosage, Insect control, Insecticides, Larvicides.

13182-68
RESEARCH NEEDS AND PRIORITIES: CHEMICAL CONTROL.
H P Schoof
World Health Organ Bull 36(4):656-657
1967 449.9 WB92B
Aedes aegypti, Chemical control (insects).

13183-68
RESEARCH NEEDS AND PRIORITIES: GENETIC CONTROL, INCLUDING THE STERILE-MALE TECHNIQUE.
C N Smith
World Health Organ Bull 36(4):658-659
1967 449.9 WB92B
Aedes aegypti, Biological control (insects), Insect control, Insect genetics, Research.

13184-68
POSSIBLE USE OF THE STERILE-MALE TECHNIQUE FOR CONTROL OF AEDES AEGYPTI.
C N Smith
World Health Organ Bull 36(4):633-635 REF
1967 449.9 WB92B
Aedes aegypti, Chemosterilants, Insect control, Irradiation, Sex behavior.

13185-68
LABORATORY AND FIELD INVESTIGATIONS OF MOSQUITO POPULATIONS ASSOCIATED WITH OXIDATION LAGOONS IN MISSOURI.
W L Smith W R Enns
Mosquito News 27(4):462-466 REF
Dec 1967 421 M85
Culicidae, Habitats, Insect populations, Water treatment.

13186-68
THE PROSPECTS FOR AEDES AEGYPTI ERADICATION IN ASIA IN THE LIGHT OF ITS ERADICATION IN BRAZIL.
F L Soper
World Health Organ Bull 36(4):645-647
1967 449.9 WB92B
Aedes aegypti, Asia, Insect control.

13187-68
AEDES AEGYPTI AND YELLOW FEVER.
F L Soper
World Health Organ Bull 36(4):521-527 MAP
1967 449.9 WB92B
Aedes aegypti, Insect vectors, Yellow fever.

13188-68
CONTROL OF MOSQUITO ADULTS AND LARVAE WITH ULTRA-LOW VOLUME AERIAL APPLICATIONS OF BAYGON AND BAYGON-BAYTEX MIXTURE.
L P Stevens R F Stroud
Mosquito News 27(4):482-485
Dec 1967 421 M85
Aerial spraying, Baygon, Chemical control (insects), Culex restuans, Culicidae, Fenthion, Insect control, Insecticide application, Larvae, Ultra low volume application.

13189-68
MEASURES TO BE TAKEN TO PREVENT THE TRANSMISSION OF AEDES AEGYPTI BY SEA AND AIR.
F De Tavel
World Health Organ Bull 36(4):639-644 REF

10 13190-6B

1967 445.5 W852B
Aedes aegypti, Aircraft disinfestation, Insect control,
Insect dissemination, Insect vectors, Ships.

13190-6E
THE LARVICIDAL ACTIVITY OF SEVERAL LIQUID DETERGENTS AND
QUATERNARY AMMONIUM COMPOUNDS.
B T Taylor H F Schoof
Mosquito News 27(4):486-487
Dec 1967 421 M65
Aedes aegypti, Aedes triseriatus, Ammonium compounds,
Anopheles quadrimaculatus, Culex quinquefasciatus, Culicidae,
Detergents, Larvicides.

20 CROP PROTECTION

13191-6B
A.V.C. AGREPCBT. 2.
Anonymous
Agr Vet Chem 8(5):117-123
Sep 1967 3B2 AGB2
Chemical control (insects), Chemical control (plant diseases),
Citrus, Crops, Insect pests, Pesticides, Rice.

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MATERIALS AND COMMERCIAL SPECIALTIES. ED. 6. S585.AB2 1967.
(FR
243 P PARIS, 1967
1967
Indexes, Pesticides, Plant pest control.

13193-6B
DISEASES AND PARASITES OF THE VINE. ED. 3.
SB609.G7 L3 1966. (FR)
J Lafon P Couillaud B Hude
1,324 P. PARIS, BAILLIERE
1966
Grapes, Insect pests, Plant diseases, Plant pest control.

13194-6B
BIOLOGICAL METHODS IN CROP PEST CONTROL. SB975.U7.
G Ordish
242 P. CONSTABLE, LONDON
1967
Biological control (insects), Biological control (pests),
Biolcgical control (weeds).

13195-6B
PROGNOSIS AND SIGNALIZATION AS BASIS IN PEST AND DISEASE
CONTROL. (BD)
P Popov
Rast Zashch 15(6):2-4
1967 423.92 S02
Plant disease control, Plant pest control.

13196-6B
CLOSED QUARANTINE PROCEDURES.
F M L Sheffield
Rev Appl Mycol 47(1):1-8 REF
Jan 1968 450 R32B
Plant pest control, Plant quarantine.

Diseases

13197-6B
GENERAL AND SPECIFIC COMBINING ABILITY IN SEVEN INBRED
STRAWBERRY LINES.
L E Aalders D L Craig
Can J Genet Cytol 10(1):1-6 REF
Mar 1968 443.8 C16
Plant disease resistance, Plant genetics,
Powdery mildew (strawberries), Strawberries.

13198-6B
A BURIED MEMBRANE FILTER METHOD FOR STUDYING BEHAVIOR OF
SOIL FUNGI.
P B Adams
Phytopathology 57(6):602-603 REF
Jun 1967 464.8 P56
Filters, Soil microbiology, Thielaviopsis basicola.
Abstract:
the method can be used to study propagule germination and
development, and hyphal lysis in soils with various amend-
ments under varying conditions.

13199-68
DISEASES OF FOREST PLANTINGS IN SIBERIA. SB761 .A35. (RUS)
80 P. NAUKA, MOSKVA
1967
Tree diseases, USSR.

13200-68
CHANGES IN CYTOPLASM AND CELL WALL MATERIAL; AN ANATOMICAL APPROACH TO THE MECHANISM OF FUNGAL INFECTIONS IN PLANTS. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SB611.C6.
S Akai E Fukutomi N Ishida H Kunoh
1-20 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Fungus diseases (plants), Spore germination.

13201-68
INFLUENCE OF ENVIRONMENTAL TEMPERATURES ON METABOLIC ALTERATIONS RELATED TO DISEASE RESISTANCE IN SWEET POTATO ROOTS INFECTED BY BLACK ROT.
T Akazawa I Uritani
Phytopathology 51(10):668-674, BIBL. 673-674
Oct 1961 464.8 P56
Black rot (sweetpotatoes), Plant disease resistance, Plant metabolism, Sweetpotatoes, Temperature.

13202-68
THE EFFECT OF GIBBERELLA ZEAE ON THE PERMEABILITY OF POTATO TUBER TISSUE.
L Algera A C Van Der Burg N J Pokkema
Neth J Plant Pathol 73(4):105-111
1967 464.6 T44
Fungus diseases (plants), Gibberella zeae, Potatoes.
English and Dutch summaries
Abstract

13203-68
ATLAS OF DISEASES AND PESTS OF VEGETABLES. SB731. A4. (pol)
S Alwin
103 P. PANSTWOWE WYDAWNICTWO ROLNICZE I LESNE, WARSZAWA
1967
Atlases, Insect pests, Plant diseases, Vegetables.

13204-68
EFFECT OF ANTAGONISTS ON GROWTH AND SURVIVAL OF RHIZOCTONIA SOLANI IN SOIL.
K F Baker M T Flentje C M Olsen H M Stretton
Phytopathology 57(6):591-597 REF
Jun 1967 464.8 P56
Rhizoctonia solani, Root rot (wheat), Soil microbiology, Steam, Wheat.
Abstract:
the recommended exposure to aerated steam at 60 C for 30 min, has proved a reasonable compromise. the usual treatment of 100 C for 30 min, on the other hand, destroys most of the antagonists.

13205-68
ECOLOGY OF PLANT PATHOGENS IN SOIL. VII. MATHEMATICAL MODELS AND INOCULUM DENSITY.
R. Baker C L Maurer R A Maurer
Phytopathology 57(7):662-666
Jul 1967 464.8 P56
Ecology, Mathematical analysis, Plant diseases, Soil microorganisms.
Abstract

13206-68
APPLE LATENT VIRUS 2 IS SOWBANE MOSAIC VIRUS.
J B Bancroft S A Tolin
Phytopathology 57(6):639-640
Jun 1967 464.8 P56
Apples, Latent virus (apples), Mosaic (chenopodium).

13207-68
PROPERTIES OF WHITE CLOVER MOSAIC VIRUS FROM INDIANA.
J B Bancroft J Tuite G Bissong
Phytopathology 50(10):711-717, TABS.
Oct 1960 464.8 P56
Indiana, Mosaic (white clover), Virus diseases (plants).

13208-68
ALTERATION OF CELL WALL COMPONENTS DURING PATHOGENESIS BY RHIZOCTONIA SOLANI. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SB611.C6.
D F Bateman
58-79 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Beans, Cell wall, Enzymes, Microorganisms, Rhizoctonia solani, Soil-borne plant diseases.

13209-68
DISEASES IN FOREST PLANTATIONS: THIEF OF TIME.
D V Baxter
Cranbrook Inst Sci Bull 251 P., MAPS, REF.
1967 410.9 CB5B
Forest regeneration (artificial), Tree diseases.

13210-68
PARTIAL INFECTION WITH POTATO VIRUS YN OF TUBERS FROM PRIMARILY INFECTED POTATO PLANTS.
A B R Beemster
Neth J Plant Pathol 73(516):161-164
1967 464.8 T44
Potatoes, Virus diseases (plants), Virus yn (potatoes).
Dutch summary
Abstract

13211-68
EFFECTS OF REMOVAL OF LEAVES AND TOPS ON TRANSLOCATION OF POTATO VIRUS X AND POTATO VIRUS YN IN POTATO PLANTS.
A B R Beemster
Neth J Plant Pathol 73(516):139-146
1967 464.8 T44
Plant translocation, Potatoes, Virus diseases (plants), Virus x (potatoes), Virus yn (potatoes).
Dutch summary
Abstract

13212-68
THE PHOMA ORGANISMS CAUSING GANGRENE OF POTATOES.
G H Boerema
Neth J Plant Pathol 73(516):190-192
1967 464.8 T44
Dry rot (potatoes), Fungus diseases (plants), Phoma, Potatoes.
English and Dutch summaries
Abstract

13213-68
ELECTRON MICROSCOPY OF PLANT VIRUSES; BIBLIOGRAPHY 1939-1965. (GE)
J Brandes
Berlin Biol Bundesanst Land-forstwirtsch Mitt 122,91 P
1967 410.9 G31M
Bibliography, Electron microscopy, Virus diseases (plants).

13214-68
CRYOGENIC STORAGE OF CONIDIA OF PERONOSPORA TABACINA. (ABSTRACT).
K R Bromfield
Phytopathology 57(7):644
Jul 1967 464.8 P56
Cryogenics, Fungus diseases (plants), Peronospora tabacina, Plant hardiness, Tobacco.

13215-68
SYMPTOMS OF CERCOSPORA LEAF SPOT OF SUGAR BEETS INFLUENCED BY LIGHT INTENSITY.
L Calpouzos G F Stallknecht
Phytopathology 57(7):799-800
Jul 1967 464.8 P56
Cercospora beticola, Leaf spot (sugar beets), Light.

13216-68
EFFECTS OF THREE SOIL-INHABITING FUNGI ON AXENIC PEANUT PLANTS. (ABSTRACT).
C T Chang C Fordyce
Phytopathology 57(7):644
Jul 1967 464.8 P56
Aspergillus flavus, Fungus diseases (plants), Peanuts, Soil fungi, Streptomyces griseus, Trichoderma.

13217-68
INFLUENCE OF COPPER AND ZINC ON THE INCIDENCE OF POTATO SCAB.
K C R Chaudhary
Neth J Plant Pathol 73(2):49-51
1967 464.8 T44
Copper, Fungus diseases (plants), Scab (potatoes), Streptomyces scabies, Zinc.
Dutch summary

13218-68
STUDIES ON THE PHYSIOLOGIC RACES OF THE RICE BLAST FUNGUS, PIRICULARIA ORYZAE CAV. SB608. R5 C5.
C C Chien

2D 13219-68

92 P. (MIMEOGRAPHED) TAIPEI, TAIWAN, CHINA
1967
Blast (rice), Piricularia oryzae.
Taiwan Agricultural Research Institute Department of Plant Pathology cooperating.

13219-68
INFLUENCE OF SUBSTANCES AND SOIL TREATMENTS ON THE GERMINATION OF SPORES OF COCHLIOBOLUS SATIVUS.
S H E Chinn R J Lodingham
Phytopathology 57(6):580-583 REF
Jun 1967 464.8 P56
Ascorbic acid, Cochlobolus sativus, Fungicides, Hydrochloric acid, Molasses.
Abstract:
apparently, ascorbic acid neutralized fungistatic substances in soil; molasses acted directly as a nutrient on the spores to overcome soil fungistasis; and hydrochloric acid solubilized the fungistatic substances which subsequently were removed by washing.

13220-68
SUMMARY OF THE PREVALENCE OF PLANT DISEASES IN CANADA IN 1965. A COMPILATION.
D W Creelman
Can Plant Dis Surv 47(2),31-71
Jun 1967 464.9 C16S
Plant diseases.

13221-68
NATURAL ENEMIES OF RUST FUNGI IN THE TROPICS. (ABSTRACT).
J L Cunningham
Phytopathology 57(7):645
Jul 1967 464.8 P56
Beneficial insects, Cyperaceae, Fungus diseases (plants), Grasses, Mites, Predaceous fungi, Uredinales.

13222-68
INFLUENCE OF SPRINKLER IRRIGATION AND FOUR FORAGE CROPS ON POPULATIONS OF SOIL MICROORGANISMS INCLUDING THOSE ANTAGONISTIC TO SCLEROTIUM ROLFSII SACC.
E A Curl
Plant Dis Rep 45(7):517-519
15 Jul 1961 1.9 P69P
Forage plants, Irrigation, Sclerotium rolfsii Sacc., Soil microorganisms, White clover.

13223-68
ELECTRON MICROSCOPIC OBSERVATIONS ON HAUSTORIA ISOLATED FROM CUCUMBER LEAVES INFECTED WITH POWDERY MILDEW.
H M Dekhuijzen C Van Der Scheer
Neth J Plant Pathol 73(4):121-125 REF
1967 464.8 I44
Cucumbers, Electron microscopy, Fungus diseases (plants), Powdery mildew (cucumbers).
English and Dutch summaries
Abstract

13224-68
INFLUENCE OF CERTAIN EXOASCUS ON DEVELOPMENT OF THE EPIDERMIS AND THE POLIAR STOMATIC APPARATUS OF THEIR HOSTS. (FR)
D Demuynck J Meyer
Marcellia 34(1):31-44
Mar 1967 421 M33
Epithelium, Fungus diseases (plants), Plant physiology, Stomata.

13225-68
PHYSIOLOGY OF WILT DISEASE. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SB611.B6.
A E Dimond
100-120 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Cotton, Plant water relations, Tomatoes, Wilt, Xylem.

13226-68
SOLUTE AND WATER RELATIONS DURING INFECTION. II. OBLIGATE PARASITES: EFFECT ON THE MOVEMENT OF SOLUTES AND WATER. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SB611.C6.
R D Durbin
80-99 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Beans, Parasitism, Plant diseases, Plant translocation, Plant water relations.

13227-68
FACTORS DETERMINING RESISTANCE OF ELMS TO CERATOCYSTIS ULMI.
D M Elgersma
Phytopathology 57(6):641-642
Jun 1967 464.8 P56
Ceratocystis ulmi, Dieback (ulmus), Plant disease resistance, Tree diseases, Ulmus hollandica.

13228-68
REACTIVITY OF TOBACCO MOSAIC VIRUS AND ITS PROTEIN TOWARD ACETIC ANHYDRIDE.
H Fraenkel-Conrat M Colloms
Biochemistry 6(9):2740-2745
Sep 1967 3R1 B523
Acetic anhydride, Glycyltyrosine, Mosaic (tobacco), Proteins, Tobacco mosaic virus, Virus diseases (plants).
Abstract

13229-68
THE SMALL BERRY SAWFLY (PRISTIPHORA PALLIPES LEP), A LESSER KNOWN PEST OF GOOSEBERRIES. (DU)
A V Brakenhuyzen
Entomol Ber 27(2):21-24
01 Feb 1967 420 N38E
Gooseberries, Holocremnus canaliculatus, Parasitic insects, Pristiphora pallipes.
English summary.

13230-68
EFFECTS OF TOMATO RINGSPOT VIRUS PLANT AND FRUIT DEVELOPMENT OF RASPBERRIES.
J A Freeman R Stace-Smith
Can J Plant Sci 48(1):25-29
Jan 1968 45D C16
Plant physiology, Raspberries, Ring spot (raspberries), Virus diseases (plants).

13231-68
MICRO-ORGANISMS IN THE ROOT REGION OF WHEAT. LITERATURE REVIEW. (GE)
W Gams
Berlin Biol Bundesanst Land-forstwirtsch Mitt 123,77 P. REF
Jun 1967 410.9 G31M
Fungus diseases (plants), Reviews, Soil microorganisms, Wheat.
English summary
Abstract

13232-68
SOME ASPECTS OF THE BARLEY YELLOW DWARF VIRUS DISEASE IN MANITOBA.
C C Gill
Entomol Soc Manitoba Proc 22:25
1966 420 EN88
Barley, Canada, Virus diseases (plants), Yellow dwarf (barley).

13233-68
BUTT ROT IN YELLOW-POPLAR SEEDLING-SPROUT STANDS.
J H Ginns R P True
13(4):440-447 REF
Dec 1967
Butt rot (trees), Liriodendron tulipifera, Seedlings, Tree diseases.
Abstract

13234-68
THE BIOCHEMISTRY AND PHYSIOLOGY OF INFECTIOUS PLANT DISEASE.
SB601 .G6.
R N Goodman Z Kiraly M Zaitlan
354 P. REF.D. VAN NOSTRAND CO. PRINCETON NEW JERSEY
1967
Plant biochemistry, Plant diseases, Plant physiology.

13235-68
TIME OF STEM RUST APPEARANCE ON WHEAT IN THE WESTERN MISSISSIPPI BASIN IN RELATION TO THE DEVELOPMENT OF EPIDEMICS FROM 1921 TO 1962.
L M Hamilton E C Stakman
Phytopathology 57(6):609-613
Jun 1967 464.8 P56
Puccinia graminis tritici, Stem rust (wheat).
Minnesota Agricultural Experiment Station cooperating.
Abstract:
annual dates are listed for the first appearance of stem rust on wheat in six selected areas. epidemics did not occur in all early-rust years because of lack of one or more of the variables conducive to severe rust.

13236-68
MITOCHONDRIAL ACTIVITIES OF DETACHED TOBACCO LEAVES INFECTED WITH TOBACCO MOSAIC VIRUS: THE POSSIBLE SOURCE OF ENERGY FOR VIRUS MULTIPLICATION. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION; PROCEEDINGS OF A CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SB611.C6.
T Hirai T Takahashi
270-282 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Mitochondria, Tobacco, Tobacco mosaic virus.

13237-68
HEAT TREATMENT AND MERISTEM CULTURE FOR THE PRODUCTION OF VIRUS-FREE PLANT MATERIAL.
J G Ten Houten F Quak F A Van Der Meer
Neth J Plant Pathol 74(1):17-24 REF
1968 464.8 I44
Heat, Plant disease control, Tissue culture,
Virus diseases (plants).
Dutch summary
Abstract

13238-68
HISTOLOGY OF CRONARTIUM QUERCUUM GALLS ON SHORTLEAF PINE.
F F Jewell N M Walker
Phytopathology 57(6):545-550 REF
Jun 1967 464.8 P56
Cronartium quercuum, Pinus echinata, Plant galls,
Tree diseases.
Abstract

13239-68
EFFECT OF PUCCINIA RECONDITA INFECTION ON THE RNA COMPOSITION OF WHEAT LEAVES.
L B Johnson P P Zscheile B L Brannaman
Phytopathology 57(6):632-638 REF
Jun 1967 464.8 P56
Fungus diseases (plants), Puccinia recondita,
Ribonucleic acid, Stem rust (wheat), Wheat.
Abstract:
as disease developed, total RNA nucleotide content dropped below that of healthy leaves. individual RNA nucleotide contents changed differently with rust development.

13240-68
POLYMERIZATION-DEPOLYMERIZATION OF TOBACCO MOSAIC VIRUS PROTEIN. X. EFFECT OF D2O.
M T M Khalil M A Lauffer
Biochemistry 6(8):2474-2480 REF
Aug 1967 381 B523
Heavy water, Mosaic (tobacco), Polymerization, Proteins,
Viruses.
Abstract

13241-68
CERCOSPORA LEAF SPECK DISEASE OF BEETS. (GE)
R Krexner
Vienna Bundesanst Pflanzenschutz Flugbl 22, 3 P.
1966 464.9 V672P
Cercospora beticola, Fungus diseases (plants),
Leaf spot (sugar beets).

13242-68
INFLUENCE OF POTASSIUM CHLORIDE ON THE INTERRELATIONSHIP OF FUNGI AND A NEMATODE IN ALFALFA ROOTS. (ABSTRACT).
V D Kushner H W Crittenden
Phytopathology 57(7):646
Jul 1967 464.8 P56
Alfalfa, Fungus diseases (plants), Fusarium,
Meloidogyne incognita acrita, Plant nematodes,
Potassium chloride.

13243-68
SOYBEAN BOOT AND STEM ROT CAUSED BY RHIZOCTONIA SOLANI, 1966.
R C Lamb J M Dunleavy
Plant Dis Rep 51(10):872
Oct 1967 1.9 P69P
Rhizoctonia solani, Boot rot (soybeans), Soybeans,
Stem rot (soybeans).

13244-68
THE EFFECT OF FAVORABLE PERIODS FOR INFECTION ON DEVELOPMENT OF STEM RUST IN FIELD PLOTS OF WHEAT. (ABSTRACT).
R F Line C E Peet C H Kingsolver
Phytopathology 57(7):647
Jul 1967 464.8 P56
Humidity, Stem rust (wheat), Temperature.

13245-68
EFFECT OF THIELAVIOPSIS BASICOLA ROOT ROT OF COTTON ON INCIDENCE AND SEVERITY OF VERTICILLIUM WILT.
D E Mathre B H Garber A V Ravenscroft
Phytopathology 57(6):604-608 REF
Jun 1967 464.8 P56
Root rot (cotton), Thielaviopsis basicola,
Verticillium albo-atrum, Wilt (cotton).
Abstract:
field studies confirmed greenhouse results that low to medium levels of T. basicola do not increase the incidence or severity of Verticillum wilt symptons in Acala 4-42 cotton.

13246-68
EFFECT OF SOIL MOISTURE AND SOIL TEMPERATURE ON BLACK SHANK DISEASE DEVELOPMENT IN TOBACCO.
S M McCarter
Phytopathology 57(7):691-695 REF
Jul 1967 464.8 P56
Black shank (tobacco), Crop varieties,
Phytophthora parasitica nicotianae, Plant disease resistance,
Soil moisture, Soil temperatnre.
Abstract

13247-68
DIFFERENTIAL RESISTANCE OF CELL WALLS OF ACER PSEUDO-PLATANUS, TRITICUM VULGARE, HORDEUM VULGARE, AND ZEA MAYS TO POLYSACCHARIDE-DEGRADING ENZYMES.
J M McNab D J Nevins P Albersheim
Phytopathology 57(6):625-631 REF
Jun 1967 464.8 P56
Barley, Cell wall, Colletotrichum lindemuthianum, Corn,
Enzymes, Plant disease resistance, Polysaccharides, Wheat.
Abstract:
it was found that these enzymes degrade the varions samples differently removing specific sugars in each case. thns, cell walls with similiar compositions are differentially attacked by enzymes, a factor which may contribnte to variable disease resistance.

13248-68
THE DYNAMIC ROLE OF MOLECULAR CONSTITUTUENTS IN PLANT-PARASITE INTERACTION; PROCEEDINGS OF A CONFERENCE BELD MAY 15-21 1966 AT GAMAGORGI, JAPAN. SB611.C6.
C J Mirocha I Uritani
372 P. REF
1966
Molecular biology, Parasitism, Plant anatomy, Plant diseases.

13249-68
BIOCHEMISTRY OF VIRUS INFECTION. V. CHANGE IN NUCLEAR CONTENT OF HOST CELLS INFECTED BY VIRUS. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SB611.C6.
T Misawa S Kato
256-269 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Biochemistry, Cells, Tobacco, Virns diseases (plants).

13250-68
EFFECT OF CALCIUM NUTRITION ON BLACK SHANK OF TOBACCO. (ABSTRACT).
L D Moore W H Wills
Phytopathology 57(7):647
Jul 1967 464.8 P56
Black shank (tobacco), Calcium, Fungus diseases (plants),
Phytophthora parasitica nicotianae, Plant disease resistance,
Tobacco.

13251-68
EXPERIMENTS ON CONTROLLING STRAWBERRY BOTRYTIS ROT BY SPRAYING. SB953.M6.
M H Moore A H M Kirby M Bennett
116-120 REF
1966
Botrytis, Fungicides, Plant disease control,
Rot (strawberries), Strawberries.

13252-68
ROW PLANTS FIGHT DISEASE.
K O Muller
Sci J 2(5):57-61
May 1966 Q1.S34
Fungus diseases (plants), Plant disease resistance.

20 13253-68

13253-68
SELECTIVE MEDIA TO DISTINGUISH BETWEEN TWO BOTRYTIS SPECIES ON ONION.
D Netzer I Dishon
Phytopathology 57(7):795-796
Jul 1967 464.8 P56
Botrytis allii, Botrytis cinerea, Culture media, Onions.

13254-68
FACTORS AFFECTING TRANSMISSION OF TRISTEZA VIRUS BY MELON APHIDS.
P A Norman
J Econ Entomol 61(1):238-242 REF
Feb 1968 421 J822
Aphis gossypii, Food plants, Host indexing (plants), Indicator plants, Insect behavior, Insect populations, Insect vectors, Plant disease transmission, Tristeza (citrus), Virus diseases (plants).
Abstract

13255-68
ROLE OF PARASITE ENZYME AND TOXINS IN DEVELOPMENT OF CHARACTERISTIC SYMPTOMS IN PLANT DISEASE. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. S8611.C6.
H Oku
237-255 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Enzymes, Parasitism, Plant diseases, Toxins.

13256-68
COMPARATIVE SURVIVAL OF MONOBASIDIAL CULTURES OF THANATEPHORUS CUCUMERIS IN SOIL.
C M Olsen N T Flentje K F Baker
Phytopathology 57(6):598-601 REF
Jun 1967 464.8 P56
Rhizoctonia solani, Soil microbiology, Steam, Thanatephorus cucumeris.
Abstract:
the survival ability of the isolates was not related to their compatibility, since one of the best survivors anastomosed with one of the poorest.

13257-68
J W Oswald
Phytopathology 50(7):504-508
Jul 1960 464.8 P56
Agricultural education, Plant diseases.

13258-68
A QUANTITATIVE ASSAY METHOD FOR OBSERVING AND ENUMERATING PROPAGULES OF ROOT-INFECTING FUNGI. (ABSTRACT).
G C Papavizas
Phytopathology 57(7):648
Jnl 1967 464.8 P56
Fungus diseases (plants), Fusarium, Helminthosporium, Roots, Seedlings, Soil fungi, Thielaviopsis.

13259-68
SUSCEPTIBILITY OF MEMBERS OF THE ROSACEAE TO RACES OF PHYTOPHTHORA FRAGARIAE.
H S Pepin
Phytopathology 57(7):782-784
Jul 1967 464.8 P56
Phytophthora fragariae, Plant disease resistance, Rosaceae.
Abstract

13260-68
CHENOPODIUM QUINOA, A HERBACEOUS TEST PLANT FOR CHLOROTIC LEAF SPOT VIRUS IN APPLE.
H J Pfaeltzer
Neth J Plant Pathol 74(1):12-16
1968 464.8 T44
Chlorotic leafspot (apples), Virus diseases (plants).
Dutch summary
Abstract

13261-68
NOTE ON THE EFFECT OF N, P, AND K IN SEVERAL ALBERTA SOILS ON THE RESISTANCE OF GATEWAY BARLEY TO THE NET BLOTCH DISEASE.
L J Piening
Can J Plant Sci 47(6):713-715
Nov 1967 450 C16
Barley, Crop varieties, Fungus diseases (plants), Net blotch (barley), Nitrogen, Phosphorus, Potassium, Pyrenophora teres.

13262-68
REACTIONS OF PEACH TREES AND PEACH TREE VIRUSES TO TREATMENT WITH DIMETHYL SULFOXIDE AND OTHER CHEMICALS.
T S Pine
Phytopathology 57(7):671-673
Jul 1967 464.8 P56
Dimethyl sulfoxide, Formaldehyde, Necrotic ring spot (peaches), Peaches, Virucides, Virus diseases (plants).
Abstract

13263-68
QUALITATIVE AND QUANTITATIVE ASPECTS OF THE GRADUATE CURRICULUM IN PLANT PATHOLOGY.
G S Pound
Phytopathology 50(7):500-504
Jul 1960 464.8 P56
Agricultural education, Plant diseases.

13264-68
SOME PROPERTIES OF A GERMINATION INHIBITOR FROM PUCCINIA SORGHI UREDOSPORES. (ABSTRACT).
N J Pritchard
Phytopathology 57(7):648
Jnl 1967 464.8 P56
Plant growth inhibitors, Puccinia sorghi.
A self-inhibitor.

13265-68
DIFFERENCES IN AGGRESSIVENESS BETWEEN TMV-ISOLATES FROM TOMATO ON CLONES OF LYCOPERSICUM PERUVIANUM.
A T B Rast
Neth J Plant Pathol 73(516):186-189
1967 464.8 T44
Mosaic (tomatoes), Tobacco mosaic virus, Tomatoes, Virus diseases (plants).
English and Dutch summaries
Abstract

13266-68
YIELD OF GLASSHOUSE TOMATOES AS AFFECTED BY STRAINS OF TOBACCO MOSAIC VIRUS.
A T B Rast
Neth J Plant Pathol 73(516):147-156 REF
1967 464.8 T44
Crop yields, Greenhouse culture, Mosaic (tomatoes), Tobacco mosaic virus, Tomatoes, Virus diseases (plants).
Dutch summary
Abstract

13267-68
INCIDENCE IN THE CULTURE OF OIL PALM OF FUSARIUM POPULATIONS IN THE SOIL OF THE SAVANNA IN THE LOWER IVORY COAST. (FR)
J L Renard
Rev Mycol 32(3):211-227 REF
Nov 1967 450 AN74
African oilpalm, Fusarium, Savannas, Soils.
Abstract

13268-68
PURIFICATION AND PHYSICOCHEMICAL PROPERTIES OF THE WISCONSIN PEA STREAK VIRUS.
E Rosenkranz D J Hagedorn
Phytopathology 57(6):551-558 REF
Jun 1967 464.8 P56
Streak (peas).
Abstract

13269-68
LINKAGE STUDIES ON THE RESISTANCE TO BACTERIAL LEAF BLIGHT, XANTHOMONAS ORYZAE (UYEDA ET ISHIYAMA) DOWSON, IN RICE. (JA)
S Sakaguchi
Tokyo Nat Inst Agr Sci Bull Ser D 16:1-18 REF
Feb 1967 451 C433
Bacterial leaf blight (rice), Plant disease resistance, Plant genetics, Rice, Xanthomonas.
English summary
Abstract

13270-68
EVALUATION OF THE RELATIVE IMPORTANCE OF SOIL AND SEED AS SOURCE OF THE INOCULUM OF SILVER SCURF OF POTATOES BY MEANS OF A REPRESSION TEST. (FR)
J Santree
Can J Plant Sci 47(6):695-702 REF
Nov 1967 450 C16
Fungus diseases (plants), Plant disease transmission, Potatoes, Seeds, Silver scurf (potatoes), Soils, Spondylocladium atrovirens.

English and French abstracts
Abstract

13271-68
PATHOGEN-PRODUCED DETERMINANTS OF DISEASE AND THEIR EFFECTS ON HOST PLANTS. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SR611.C6.
R P Scheffer E R Pringle
217-236 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Host specificity, Microorganisms, Plant diseases.

13272-68
PURIFICATION OF TURNIP MOSAIC VIRUS.
R J Shepherd G S Fonnd
Phytopathology 50(11):797-803
Nov 1960 464.8 P56
Mosaic (turnips).

13273-68
POLYMERIZATION-DEPOLYMERIZATION OF TOBACCO MOSAIC VIRUS PROTEIN. VIII. LIGHT-SCATTERING STUDIES.
C E Smith M A Lauffer
Biochemistry 6(8):2457-2465 REF
Aug 1967 381 B523
Light scattering, Mosaic (tobacco), Polymerization, Proteins, Viruses.
Abstract

13274-68
INFLUENCE OF HOST-PARASITE INTERACTIONS ON PROTEINS ENZYMES, AND RESISTANCE. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDING, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI JAPAN. SR611.C6.
M A Stahmann
357-372 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Enzymes, Host specificity, Parasitism,
Plant disease resistance, Plant proteins, Sweetpotatoes.

13275-68
INFLUENCE OF LIGHT INTENSITY ON THE REACTIONS OF WHEAT AND BARLEY SEEDLINGS TO PUCCINIA STRIIFORMIS.
R W Stubbs
Phytopathology 57(6):615-617 REF
Jnn 1967 464.8 P56
Barley, Fungus diseases (plants), Light, Puccinia striiformis, Stripe rust (grain), Wheat.
Abstract:
light intensity, both of daylight and of artificial lights influences the response of some wheat varieties to infection with Puccinia striiformis. the effect is an increase in infection type by reduction of light intensity, as displayed by the wheat varieties Carsten's V. Chinese Spring, and Cappelle Desprez. a reverse effect is shown by the barley variety Topper when daylight decrease in autumn and winter.

13276-68
SOME PROPERTIES OF THE DOUBLE-STANDARD RNA OF RICE DWARF VIRUS. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SR611.C6.
N Suzuki
300-312 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Dwarf disease (rice), Ribonncleic acid, Rice,
Virus diseases (plants).

13277-68
THE BIOCHEMISTRY OF PLANT VIRUS INFECTION. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION; PROCEEDINGS OF A CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SR611.C6.
M N Takahashi
283-299 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Biochemistry, Virus diseases (plants).

13278-68
BIOCHEMICAL RESPONSE OF PLANTS TO TOXINS PRODUCED BY THE RICE BLAST FUNGUS. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SR611.C6.
K Tamari N Ogasawara J Kaji
203-216 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Blast (rice), Fungus diseases (plants), Picolinic, Piricularia oryzae, Piricularin, Rice, Toxins.

13279-68
FRASER OATS.
D K Taylor
Can J Plant Sci 48(1):107
Jan 1968 450 C16
Crop varieties, Fungus diseases (plants), Oats, Plant disease resistance, Smut (oats), Stem rust (oats).

13280-68
BLACK-POD DISEASE OF THEOBROMA CACAO. (ABSTRACT).
C A Thorold
Rev Appl Mycol 46(5):225-237 REF
May 1967 450 R328
Black pod (cacao), Fungus diseases (plants), Phytophthora palmivora.

13281-68
STUDIES ON THE BIOLOGY OF BOTRYTIS ALLII ON ALLIUM CEPA.
G M Tichelaar
Neth J Plant Pathol 73(5/6):157-160
1967 464.8 T44
Botrytis allii, Fungus diseases (plants), Neck rot (onions), Onions.
Dutch summary
Abstract

13282-68
THE RELATION OF METABOLIC CHANGES IN INFECTED PLANTS TO CHANGES IN ENZYMATIC ACTIVITY. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966. SR611.C6.
I Uritani T Asahi T Minamikawa H Hyodo K Oshima M Kojima
342-356 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Enzymes, Plant diseases, Plant metaholism, Sweetpotatoes.

13283-68
THE OCCURRENCE OF ACID HYDROLYZABLE PHENOLICS IN RELATION TO FUSARIUM WILT DISEASE IN TOMATO PLANTS.
L Van Den Briel
Neth J Plant Pathol 73(4):126-128
1967 464.8 T44
Fungus diseases (plants), Fusarium, Phenols,
Plant biochemistry, Tomatoes, Wilt (tomatoes).
English and Dutch summaries
Abstract

13284-68
STUDIES ON BOTRYTIS CINEREA IN TOMATOES INFLUENCE OF METHODS OF DELEAFING ON THE OCCURRENCE OF STEM LESIONS.
K Verhoeff
Neth J Plant Pathol 73(4):117-120
1967 464.8 T44
Botrytis cinerea, Fungus diseases (plants), Tomatoes.
English and Dutch summaries
Abstract

13285-68
ISOLATION, INCIDENCE, AND VIRULENCE OF ASCOCHYTA SPP. OF PEAS FROM THE SOIL.
V R Wallen S I Wong J Jeun
Can J Bot 45(12):2243-2247 REF
Dec 1967 470 C16C
Ascochyta, Fungns diseases (plants), Peas.
Abstract

13286-68
THE DETERMINATION OF DDT DEPOSITED ON COTTON PLANTS IN AN AIRSPRAY TRIAL IN TANZANIA.
D J Webley R R Parish
Arusha Trop Pesticides Res Inst Misc Rep 598,11 P
Jan 1967 423.92 G7922
Aerial spraying, Cotton, Ddt, Heliothis armigera, Persistence.

13287-68
THE STEMPHYLIUM LEAF SPOT COMPLEX ON BLUE LUPINE.
R D Wells I Forbes Jr J R Edwardson
Plant Dis Rep 45(9):725-727, TABS.
15 Sep 1961 1.9 P69P
Blue lupine, Gray leafspot, Leaf spot (blue lupine), Lupine, Lupinus augnstifolius, Stemphylinm botryosum Wallr..

2D 1328-68

1328-68
VIRUS ETIOLOGY OF FOLIAR VEIN-FLECKING OR RING PATTERN, AND FRUIT RUSSETING OR BLOTCH ON APPLE.
M F Welsh J May
Can J Plant Sci 47(6):703-708
Nov 1967 45D C16
Apples, Russet ring (apples), Russeting (apples), Virus diseases (plants).
Abstract

1329-68
INFLUENCE OF SOME ENVIRONMENTAL FACTORS ON THE SUSCEPTIBILITY OF PISUM SATIVUM TO BOTRYTIS CINEREA. (DU)
T F Wijngaarden J Ellen
Neth J Plant Pathol 74(1):8-11
1968 464.8 T44
Botrytis cinerea, Calcium, Fungus diseases (plants), Magnesium, Peas, Plant ecology, Plant nutritional deficiencies, Potassium, Temperature.
English summary
Abstract

1329-66
BACTERIAL PHLOEM CANKER, A NEW DISEASE OF PERSIAN WALNUT TREES.
E E Wilson F M Zeitoun D L Fredrickson
57(6):618-621
Jun 1967
Bacterial phloem canker (persian walnuts), Erwinia rubrifaciens, Persian walnuts, Plant taxonomy, Tree diseases.
Abstract:
the phloem canker pathogen, is considered to be a new species and the name Erwinia rubrifaciens sp n is proposed.

1329-68
BLACK SPOT OF ROSE (MARSSONIA ROSAE LIB.). (GE)
W Wittmann
Vienna Bundesanst Pflanzenschutz Flugbl 116, 1 P.
1966 464.9 V672F
Black spot (rosa), Diplocarpon rosae, Fungus diseases (plants).

1329-68
AN INHIBITORY EFFECT OF LIGHT ON THE INFECTION BY BROWN LEAF RUST OF WHEAT.
J C Zadoks
Neth J Plant Pathol 73(2):52-54
1967 464.8 T44
Fungus diseases (plants), Leaf rust (wheat), Light.
Dutch summary

1329-68
ON HEAT TREATMENT OF CHRYSANTHEMUM MORIFOLIUM AGAINST PUCCINIA HORIANA.
J C Zadoks C A M Groenewegen R Zandvoort
Neth J Plant Pathol 74(1):25-27
1968 464.8 T44
Chrysanthemum, Fungus diseases (plants), Heat, Plant disease control.
Dutch summary

1329-68
HELMINTHOSPORIOSE OF RICE. BREDA DE HAAN, BROWN SPOT OF RICE. (FR
C Zambettakis
Riches Phytopathol Trop 2,7 P. REF
1967 464.8 F44
Brown spot (rice), Fungus diseases (plants), Helminthosporium oryzae.

1329-68
SEED DISINFECTION. (GE)
R Zwatz
Vienna Bundesanst Pflanzenschutz Flugbl 36, 3 P.
1966 464.9 V672F
Chemical control (plant diseases), Seed treatment.

Arthropods

1329-68
DEVELOPMENT OF RESISTANCE BY THE TOBACCO BUDWORM TO ENDRIN AND CARBARYL.
P L Adkisson
J Econ Entomol 61(1):37-40
Feb 1968 421 J822
Carbaryl, Endrin, Heliothis virescens, Insecticide resistant insects, Tobacco.
Abstract

1329-68
EVALDATION OF INSECTICIDES FOR CONTROL OF THE SUGAR-BEET MAGGOT IN MANITOBA.
W R Allen W L Askew
Entomol Soc Manitoba Proc 22:65-71 REF
1966 420 EN88
Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Insecticides, Organophosphorus compounds, Tetanops myopaeformis.
Abstract

1329-6R
IPS BARK BEETLE ATTACKS AND BROOD DEVELOPMENT ON A LIGHTNING-STRUCK PINE IN RELATION TO ITS PHYSIOLOGICAL DECLINE.
N H Anderson D B Anderson
Fla Entomol 51(1):23-30 REF
Mar 1968 42D F662
Forest insects, Insect physiology, Ips avulsus, Ips calligraphus, Ips grandicollis, Lightning, Pinus, Plant physiological diseases.
Abstract

1329-68
BIOLOGY OF RADICOLOUS APHIDS ON MAIZE. (HU)
P Andrasfalvy
Novartani Kozlemenyek 19(22):403-427, REF.
1966 420 S012
Aphididae, Corn, Insect biology, Roots, Ulmus.
French summary.

133D0-6R
OSTRINIA NUBILALIS BURNER, INJURIOUS TO GLOBE ARTICHOKE IN EGYPT (LEPIDOPTERA: PYRALIDAE).
M A H Assem El S A Nasr
Soc Entomol Egypte Bull 49:71-73
1966 420 EG9
Artichokes, Chemical control (insects), Insect pests, Ostrinia nubilalis, Trichlorfon.

13301-68
THE PICK-UP AND PENETRATION OF ULTRA-LOW-VOLUME AND EMULSIFIABLE CONCENTRATE MALATHION FORMULATIONS BY TOBACCO BUDWORM LARVAE.
T M Awad S B Vinson
J Econ Entomol 61(1):242-245
Feb 1968 421 J822
Cotton, Emulsions, Formulations, Heliothis virescens, Malathion.
Abstract

133D2-68
EFFECTS OF NATURAL (SORGHUM) AND ARTIFICIAL (WHEAT GERM) DIETS ON DEVELOPMENT OF THE CORN EARWORM, FALL ARMYWORM, AND SOUTHWESTERN CORN BORER.
D L Bailey H L Chada
J Econ Entomol 61(1):257-260 REF
Feb 1968 421 J822
Heliothis zea, Insect nutrition, Insect physiology, Sorghum, Spodoptera frugiperda, Wheat germ, Zeadiatraea grandiosella.
Abstract

13303-68
THE CONTROL OF THE CARPOCAPSA POMONELLA AND THE PREDIT ACARIDS. (BU)
A Balevsky
Rast Zashch 15(6):20-23
1967 423.92 S02
Apples, Carpocapsa pomonella, Mites.

13304-68
RESISTANCE TO ORGANOCHLORINE INSECTICIDES IN THE TUBER FLEA BEETLE, EPITHRIX TUBERIS GENT (COLEOPTERA: CHRYSOMELIDAE), IN BRITISH COLUMBIA.
P L Banham D G Finlayson
Entomol Soc Brit Columbia Proc 64:17-22,MAP
01 Aug 1967 420 B77
Chlorinated hydrocarbons, Ddt, Diazinon, Dieldrin, Epitrix tuberis, Insecticide resistant insects, Potatoes.
Abstract

13305-68
FIELD EVALUATION OF TEMIK AGAINST SOME INSECTS AND MITES ATTACKING CITRUS.
J C Boling H A Dean
J Econ Entomol 61(1):313-315
Feb 1968 421 J822
Chemical control (insects), Citrus, Evaluation, Insect pests, Insecticides, Mites, Temik.

13306-68
NATURE OF AGROBIOCOENOSIS AND SIGNIFICANCE TO INTEGRATED CONTROL. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. F62.
S Bombosch
2:11-14
1966
Ecology, Integrated control (insects), Soil-plant-animal relations.

13307-68
LYGUS BUGS. IN: SMITH, FC. N. INSECT COLONIZATION AND MASS PRODUCTION. QL497.S6.
G T Bottger
425-427
1966
Field crops, Insect nutrition, Lygus, Ovulation.

13308-68
SPECTROPHOTOFLUOROMETRIC DETERMINATION OF 6-METHOXY-2-BENZOXAZOLINONE, AN INDICATOR OF RESISTANCE TO EUROPEAN CORN BORER IN ZEA MAYS.
M C Bowman M Beroza J A Klun
J Econ Entomol 61(1):120-123
Feb 1968 421 J822
Benzoxazolinone, Corn, Fluorometry, Methoxy-2-benzoxazolinone, 6-, Ostrinia nubilalis, Plant pest resistance, Spectrophotometry.
Abstract

13309-68
HOST RANGE OF LARVAE OF THE NORTHERN CORN ROOTWORM (COLEOPTERA: CHRYSOMELIDAE).
T F Branson E E Ortman
Kans Entomol Soc J 40(3):412-414
Jul 1967 420 K13
Corn, Diabrotica longicornis, Fertility, Food plants, Setaria viridis, Wheat.
Abstract

13310-68
PHYTOTOXICITY AND WIREWORM-CONTROL EFFICACY OF INSECTICIDAL DRESSINGS APPLIED TO CEREAL SEED UP TO A YEAR BEFORE PLANTING.
R H Brrage J Gurba
Can J Plant Sci 47(6):665-670 BEF
Nov 1967 450 C16
Aldrin, Barley, Elateridae, Heptachlor, Phytotoxicity, Seed treatment, Wheat.
Five formulations of heptachlor and aldrin, separately and mixtured
Abstract

13311-68
AN AREA CONTROL PROGRAM FOR THE PEAR PSYLLA.
E C Burts
J Econ Entomol 61(1):261-263 BEF
Feb 1968 421 J822
Aerial spraying, Chemical control (insects), Pears, Perthane, Psylla pyricola.
Abstract

13312-68
HOST-PLANT PREFERENCE OF THE ALFALFA WEEVIL IN THE FIELD.
H D Byrne C C Blickenstaff
J Econ Entomol 61(1):334-335
Feb 1968 421 J822
Food plants, Host specificity, Hypera postica, Legumes.

13313-68
DIFFERENTIAL RESISTANCE OF SOME MAIZE COMPOSITES, COMPOSITE CROSSES, HYBRIDS, AND VARIETIES TO CHILO ZONELLUS SWINHOE (CRAMBIDAE: LEPIDOPTERA. I.
S M Chatterji W B Young G C Sharma V P S Panwar K H Siddiqui
Indian J Entomol 28(4):427-434
Dec 1966 420 IN23
Chilo zonellus, Corn, Plant pest resistance.

13314-68
SOUTHERN PINE BEETLES. IN: SMITH, C. N. INSECT COLONIZATION AND MASS PRODUCTION. QL497.S6.
E W Clark E A Osgood
305-310 REF
1966
Dendroctonus frontalis, Insect rearing, Pinus.

13315-68
A STUDY OF THE LIFE-CYCLES AND HOSTS OF SOME ICHNEUMONIDAE ATTACKING POPAE OF THE GREEN OAK-LEAF ROLLER MOTH, TORTRIX VIRIDANA (L.) (LEPIDOPTERA: TORTICIDAE) IN ENGLAND.
L B Cole
Roy Entomol Soc London Trans 119(9):267-281 REF
15 Dec 1967 420 LB4
Ichneumonidae, Insect pests, Predaceous insects, Quercus, Tortrix viridana.

13316-68
GRASSHOPPERS. IN: SMITH, C. N. INSECT COLONIZATION AND MASS PRODUCTION. QL497.S6.
F T Cowan
311-321
1966
Experimental insects, Grasshoppers, Insect cages, Insect rearing.

13317-68
SIMULATED NANTUCKET PINE TIP MOTH ATTACKS REDUCE BOOT DEVELOPMENT OF SHORTLEAF PINE SEEDLINGS.
J F Coyne
J Econ Entomol 61(1):319-320
Feb 1968 421 J822
Defoliation, Forest insects, Pinus echinata, Plant physiology, Roots.

13318-68
ON THE OCCURRENCE AND CONTROL OF HARPUROSTREPTUS SP. A NEW MILLEPEDE PEST OF CULTIVATED CROPS IN KERALA.
N M Das M R G K Nair A Jacob
Indian J Entomol 28(4):563-566
Dec 1966 420 IN23
Cassava starch, Chemical control (insects), Chilis, Diplopoda, Harpurostreptus.

13319-68
GENETICS OF RESISTANCE TO LEAF RUST IN THE COMMON WHEAT VARIETIES WEBSTER, LOROS, BREVIT, CARINA, MALAKOF. AND CENTENARIO.
P L Dyck D J Samborski
Can J Genet Cytol 10(1):7-17
Mar 1968 443.8 C16
Fungus diseases (plants), Leaf rust (wheat), Plant disease resistance, Plant genetics, Puccinia recondita tritici, Wheat.
Abstract

13320-68
BIOLOGICAL CONTROL AND ALTERNATIVE CONTROL SCHEMES.
A. S. BALACHOWSKY AND P. WILSON, RAPPORTEURS. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. F62.
2:139-186
1966
Biological control (insects), Insect control, Plant protection.
Includes introduction, summary, and discussion.

13321-68
THE ESSENTIAL ROLE OF ECONOMIC-INJURY POPULATION LEVELS.
F. J. SIMMONDS AND E. BORNER, RAPPORTEURS. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. F62.
2:37-89
1966
Crop losses, Insect pests, Insect populations.
Includes introduction, summary, and discussion.

13322-68
USE OF PESTICIDES IN SELECTIVE MANNERS. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SP951. F62.
B Gasser
2:109-113
1966
Acaricides, Chemurgy, Insecticides, Plant protection.

13323-68
BOLL WEEVILS. IN: SMITH, C. N. INSECT COLONIZATION AND MASS PRODUCTION. QL497.S6.
R T Gast T H Davich
405-418
1966
Anthonomus grandis, Insect cages, Insect nutrition, Insect rearing, Ovulation.

13324-68
CITRUS RED MITE, PANONYCHUS CITRI (MCGREGOR) (TETRANYCHIDAE: ACARI), RECORDED FROM NEW SOUTH WALES.
F A Gibson
Australian J Sci 30(7):273
Jan 1968 475 AD72
Lemons, Panonychus citri.

13325-68
INSECTS OF THE SEASON 1966 RELATED TO FRUIT, VEGETABLES AND ORNAMENTALS.
H W Goble
Entomol Soc Ontario Proc 97:6-7
1966 420 ON8
Field crops, Fruit, Insect pests, Ornamental plants, Vegetables.

13326-68
THE EFFECT OF WHEAT RDG CONTROL CHEMICALS ON OTHER WHEAT PESTS. (RU)
S Grigorov
Rast Zashch 15(6):23-27 REF
1967 423.92 S02
Chemical control (insects), Plant pest control, Wheat.

13327-68
IMPORTANCE OF AN INTERDISCIPLINARY APPROACH. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SR951. F62. (fr)
P Grison
3:87-101, REF
1966
Birds, Ecology, Fungus diseases (plants), Insect pests, Insect pollinators, Parasitism, Plant nematodes, Plant pest resistance, Wildlife.

13328-68
CODLING MOTHS. IN: SMITH, C. N. INSECT COLONIZATION AND MASS PRODUCTION. QL497.S6.
D W Hamilton D O Hathaway
339-354 REF
1966
Apples, Carpocapsa pomonella, Insect nutrition, Insect rearing.

13329-68
EXTERNAL MORPHOLOGY AND LIFE-HISTORY OF THE EGG-PLANT STEM BORER, EUZOPHORA OSSEATELLA THEIT. (LEPIDOPTERA: PYRALIDAE).
F A Harakly
Soc Entomol Egypte Bull 49:259-276
1966 420 EG9
Eggplant, Euzophera osseatella.

13330-68
THE INSECT PESTS OF CABBAGE IN EGYPT.
F A Harakly
Soc Entomol Egypte Bull 49:319-320
1966 420 EG9
Cabbage, Insect pests.

13331-68
APHIDS. IN: SMITH, C. N. INSECT COLONIZATION AND MASS PRODUCTION. QL497.S6.
F H Harries
429-444 REF
1966
Aphididae, Insect biology, Insect rearing.

13332-68
THE EUROPEAN PINE SHOOT MOTH, RHYACIONIA BUOLIANA (LEPIDOPTERA: OLETHREUTIDAE), ANOTHER INTRODUCED FOREST PEST.
J W E Harris R O Wood
Entomol Soc Brit Columbia Proc 64:14-17
01 Aug 1967 420 B77
Forest insects, Pinus, Rhyacionia buoliana, Zoogeography.
Abstract

13333-68
SEED INCREASE OF ALFALFA IN GROWTH CHAMBERS WITH MEGACHILE ROTUNDATA F.
D R Heinrichs
Can J Plant Sci 47(6):691-694
Nov 1967 450 C16
Alfalfa, Megachile rotundata, Seeds.
Abstract

13334-68
THE ATTACKING HABITS OF SINOXYLON SUDANICUM LESNE (COLEOPTERA: BOSTRYCHIDAE).
R Hindy
Soc Entomol Egypte Bull 49:411-413
1966 420 EG9
Mangoes, Sinoxylon sudanicum.

13335-68
USE OF ALTERNATIVE BIOLOGICAL CONTROL SCHEMES. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SR951. F62.
E Horber
2:167-183, REF.
1966
Alkylation, Antimetabolites, Attractants, Biological control (insects), Chemosterilants, Hormones, Insect behavior, Insect repellents, Irradiation, Pesticides, Plant protection, Sterilization.

13336-68
POSSIBILITIES FOR UTILIZATION OF ENTOMOPATHOGENIC MICRO-ORGANISMS IN INTEGRATED CONTROL. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SR951. F62. (fr
R Hurpin
2:149-165, REF.
1966
Insect diseases, Insecticides, Integrated control (insects), Plant protection, Predaceous insects.

13337-68
A NOTE ON SOME NEW HOST PLANTS OF A FEW PYRALIDS IN SOUTH INDIA.
R Janarthanan
Indian J Entomol 28(4):559-560
Dec 1966 420 IN23
Host specificity, Insect pests, Pyralidae.

13338-68
THE BALANCED LATTICE AS AN EXPERIMENTAL DESIGN FOR TESTING LARGE NUMBERS OF PLANTS FOR FEEDING PREFERENCES OF WHITE-FRINGED BEETLES.
J L Jarvis
J Econ Entomol 61(1):132-134
Feb 1967 421 J822
Experimental design, Feeding, Food plants, Graphognathus, Host specificity, Insect behavior.
Abstract

13339-68
SOME NEW PESTS OF BETELVINE.
R C Joshi Y K Mathur
Indian J Entomol 28(4):566-567
Dec 1966 420 IN23
Insect pests, Piper betle.

13340-68
STUDIES ON THE SUSCEPTIBILITY OF DIFFERENT VARIETIES OF SORGHUM, MAIZE AND BAJRA TO CHILO ZONELLUS (SWINHOE) UNDER FIELD AND CAGE CONDITIONS AND THE METHODS OF DETERMINING IT.
M B Kalode N C Pant
Indian J Entomol 28(4):448-464 REF
Dec 1966 420 IN23
Chilo zonellus, Corn, Pearlmillet, Plant injuries, Plant pest resistance, Sorghum.

13341-68
EFFECT OF TREATING COTTON SEED WITH DIELDRIN, AHAVIT H, AND ALDRIN ON THE EMERGENCE OF PINK BOLLWORM MOTHS.
A Khalifa

J Econ Entomol 61(1):332-334
Feb 1968 421 J822
Aldrin, Cotton, Dieldrin, Mercuric chloride, Mercuric iodide, Pectinophora gossypiella, Seed treatment.
Mercury compounds used as 3:1 mixture of chloride to iodide.

13342-68
PREDATORY AND ENERGETIC RELATIONS OF WOODPECKERS TO THE ENGELMANN SPRUCE BEETLE. SB996 .W6K6.
J R Koplin
1B7 P.,MAF REF COLORADO STATE UNIVERSITY, FORT COLLINS
Jun 1967
Birds, Dendroctonus obesus, Ecology, Forest insects, Picea engelmanni, Predatory birds, Woodpeckers.
Bibliography, 179-187
doctoral thesis

13343-68
NEW RECORDS OF HYMENOPTEROUS PARASITES FROM ACHAEA JANATA LINN (LEPIDOPTERA: NOCTUIDAE), A SERIOUS PEST OF CASTOR, (RICINUS COMMUNIS).
G G Kundu S Rai B K Anand V K Sharma
Indian J Entomol 28(4):557-558
Dec 1966 420 IN23
Achaea janata, Castorbeans, Insect pests, Parasitic insects.

13344-68
IPS PLASTOGRAPHUS (COLEOPTERA: SCOLYTIDAE) TUNNELLING IN SAPWOOD OF LODGEPOLE PINE IN CALIFORNIA.
G N Lanier
Can Entomol 99(12):1334-1335
Dec 1967 421 C16
Hibernation, Host specificity, Ips plastographus, Pinus contorta latifolia.
Abstract

13345-68
EVALUATION IN THE GREENHOUSE OF A NEW INSECTICIDE FOR BOLLWORM CONTROL.
G F Ludvik M L Randolph W A Darlington
J Econ Entomol 61(1):304-306
Feb 1968 421 J822
Ddt, Dichloro-3-(4-chlorophenyl)salicylanilide, 4'-5-, Heliothis zea, Toxaphene.
Laboratory tests; compared on cotton sprayed with toxaphene-dDT mixture.
Abstract

13346-68
THE PERFORMANCE, PHYTOTOXICITY AND PERSISTENCE OF THREE PETROLEUM OILS FOR CONTROL OF THE PEAR PSYLLA.
R F Madsen K Williams
Entomol Soc Brit Columbia Proc 64:3-8
01 Aug 1967 420 B77
Chemical control (insects), Pears, Petroleum, Psylla pyricola.
Orchex 796, Volck Supreme, and Pennsalt Superior
Abstract

13347-68
EXPERIMENTS ON THE CONTROL OF SISAL WEEVILS BY DIPPING PLANTING MATERIAL IN SOLUTIONS OF SYSTEMIC INSECTICIDES.
M E A Materu D Hopkinson
Arusha Trop Pesticides Res Inst Misc Rep 630,5 P
Sep 1967 423.92 G7922
Chemical control (insects), Insecticides, Rhynchophora, Sisal, Systemic insecticides.
Abstract

13348-68
SYSTEMIC INSECTICIDES EVALUATED FOR TWO-SPOTTED MITE CONTROL ON GREENHOUSE CUCUMBERS.
R J McClanahan
Entomol Soc Ontario Proc 97:99-102
1966 420 ON8
Chemical control (insects), Cucumbers, Evaluation, Greenhouse culture, Insecticides, Systemic insecticides, Tetranychus urticae.

13349-68
NEW RECORDS AND DISCUSSION OF PREDATORS OF THE PEAR PSYLLA, PSYLLA PYRICOLA FOERSTER, IN BRITISH COLUMBIA.
R D McMullen C Jong
Entomol Soc Brit Columbia Proc 64:35-40 REF
01 Aug 1967 420 B77
Insect biology, Predaceous insects, Psylla pyricola.
Abstract

13350-68
THE IMPORTANCE OF INSECTS TO THE SPREADING OF OAK WILT. (GE)
I I Minkevic
Reitr Entomol 17(1/2):299-304 REF
1967 421 R392
Forest insects, Insect pests, Plant disease transmission, Wilt (quercus).
English and Russian summaries.
Abstract

13351-68
COMPARATIVE EFFECT OF THE BOLL WEEVIL ON THE PRODUCTIVITY OF COKER 100 COTTON IN NORTH CAROLINA.
W J Mistric
J Econ Entomol 61(1):284-285
Feb 1968 421 J822
Anthonomus grandis, Cotton, Crop varieties.
Abstract

13352-68
EFFECTS OF NITROGEN FERTILIZATION ON COTTON UNDER BOLL WEEVIL ATTACK IN NORTH CAROLINA.
W J Mistric
J Econ Entomol 61(1):282-283
Feb 1968 421 J822
Anthonomus grandis, Cotton, Fertilization (plants), Nitrogen.
Abstract

13353-68
A PREVENTIVE BOLL WEEVIL CONTROL PROGRAM APPLIED TO A TEN-SQUARE-MILE AREA WITHIN A TREATED COUNTY.
W J Mistric E R Mitchell
J Econ Entomol 61(1):179-186
Feb 1968 421 J822
Anthonomus grandis, Azinphosmethyl, Carbaryl, Chemical control (insects), Cotton, Ddt, Toxaphene.
Toxaphene-DDT mixture used.
Abstract

13354-68
A PREVENTIVE BOLL WEEVIL CONTROL PROGRAM APPLIED TO A TEN-SQUARE-MILE AREA WITHIN AN UNTREATED COUNTY.
W J Mistric E M Covington
J Econ Entomol 61(1):186-190
Feb 1968 421 J822
Anthonomus grandis, Aphis craccivora, Aphis gossypii, Chemical control (insects), Ddt, Emulsions, Heliothis zea, Rainfall, Toxaphene.
Toxaphene-DDT emulsion concentrate, commercially formulated, was used.
Abstract

13355-68
NEWLY RECOGNIZED HOSTS OF THE ORIENTAL FRUIT FLY, MELON FLY, AND MEDITERRANEAN FRUIT FLY.
S Nakagawa G J Farias T Urago
J Econ Entomol 61(1):339-340
Feb 1968 421 J822
Ceratitis capitata, Dacus cucurbitae, Dacus dorsalis, Food plants, Host specificity.

13356-68
ESSENTIAL ROLE OF CHEMICALS IN CROP PROTECTION. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. F62.
L D Newsom
2:95-108, REF.
1966
Biological control (insects), Chemical control (insects), Crops, Insecticides, Plant disease resistance, Plant protection.

13357-68
NEW HOST RECORDS FOR NORTH AMERICAN FRUIT FLIES (DIPTERA: TEPHRITIDAE).
J A Novak W B Stoltzfus E J Allen R A Foote
Entomol Soc Wash Proc 69(2):146-148
Jun 1967 420 W27
Food plants, Host specificity, Tephritidae.

13358-68
THE CONFINEMENT PERIOD REQUIRED TO RID HONEYBEES OF FOREIGN SWEETCLOVER POLLEN.
P Pankiw R P Goplen
Can J Plant Sci 47(6):653-656 REF
Nov 1967 450 C16
Apis mellifera, Bee pollinators, Quarantine, Sweetclover.
Abstract

20 13359-68

13359-68
CONTROL OF COTTON INSECTS WITH AN INSECT-COLLECTING MACHINE.
C E Parencia
J Econ Entomol 61(1):274-279
Feb 1968 421 J822
Cotton, Insect collecting equipment, Insect control, Insect pests, Spiders, Surveys.
Abstract

13360-68
MORPHOLOGICAL-BIOLOGICAL REPORT OF THE CABBAGE MAGGOT "HYLEMIA BRASSICAE (BCH.)" AND EXPERIMENTS IN CHEMICAL CONTROL. (IT)
B Fricre
Portici Lab Entomol Agr Filippo Silvestri Boll 24:169-203
1966 42D P828
Aldrin, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Ddt, Food plants, Hylemya brassicae, Insect biology, Insect morphology, Lindane, Organophosphorus compounds, Parathion.
DDT tested alone and mixed with parathion.
English summary.

13361-68
SOME NEW EFFICIENT PREPARATIONS TO CONTROL THRIPS AND APHIS GOSSYPII ON COTTON. (EU)
B Radev S Stephancv
Rast Zashch 15(6):35-37
1967 423.92 S02
Aphis gossypii, Chemical control (insects), Cotton, Insecticides, Thysanoptera.

13362-66
RECORD OF THE COTTONY CUSHION SCALE, ICERYA PURCHASI MASKELL IN THE CANNANORE DISTRICT OF KERALA STATE IN INDIA AND ITS CONTROL.
V P Rao S M Kamath
Indian J Entomol 28(4):552
Dec 1966 420 IN23
Biological control (insects), Citrus, Coccoidea, Icerya purchasi, Rodolia.

13363-68
SYSTEMIC ACTIVITY OF SHELL SD-9129 IN COTTON PLANTS.
R L Ridgway D A Lindquist
J Econ Entomol 59(4):961-964, TABS.
Aug 1966 421 J822
Cotton, Shell SD-9129, Systemic insecticides.

13364-68
EFFECTS OF APHIDS ON CEREAL GRAINS AT VARIOUS STAGES OF PLANT GROWTH. (ABSTRACT).
A G Robinson J U Apablaza
Entomol Soc Manitoba Proc 22:24
1966 42D EN88
Aphididae, Grain.
Abstract

13365-68
IMPORTANT FOREST INSECTS OF ONTARIO IN 1966.
A H Rose
Entomol Soc Ontario Proc 97:8-10
1966 420 ON8
Canada, Forest insects.

13366-68
THE INSECTS INJURIOUS TO POTATOES. (IT)
G Russo
Portici Lab Entomol Agr Filippo Silvestri Boll 24:227-229
1966 420 P82B
Carbaryl, Chemical control (insects), Chlordane, Ddt, Insect pests, Lindane, Mites, Parathion, Plant nematodes, Potatoes.
DDT used alone and mixed with parathion.
English summary.

13367-68
INHERITANCE OF VIRULENCE IN WHEAT LEAF RUST ON THE STANDARD DIFFERENTIAL WHEAT VARIETIES.
D J Samborski R L Dyck
Can J Genet Cytol 10(1):24-32
Mar 1968 443.8 C16
Fungus diseases (plants), Leaf rust (wheat), Plant genetics, Puccinia recondita tritici.
Abstract

13368-68
THE SUSCEPTIBILITY OF FOUR VARIETIES OF OKRA, HIBISCUS ESCULENTUS L, TO COTTON BOLLWORMS INFESTATION (LEPIDOPTERA: ACONTIIDAE AND GELECHIIDAE).
T Shehata
Soc Entomol Egypte Bull 49:207-213
1966 420 EG9
Earias insulana, Okra, Pectinophora gossypiella, Plant pest resistance.

13369-68
BIOASSAY OF INSECTICIDES FOR CONTROL OF DROSOPHILA MELANOGASTER.
P Singh R Taylor J G Rodriguez
J Econ Entomol 61(1):336-337
Feb 1968 421 J822
Biological assay, Drosophila melanogaster, Fruit, Insecticides, Vegetables.

13370-68
HIBERNATION OF THE PLUM CURCULIO AND ITS SPRING MIGRATION TO HOST TREES.
E H Smith J K Plessel
J Econ Entomol 61(1):193-203 REF
Feb 1968 421 J822
Conotrachelus nenuphar, Hibernation, Insect cages, Insect ecology, Insect migration, Mortality, Plums.
Abstract

13371-68
A REVIEW OF HYMENOPTEROUS PARASITES OF CITRUS PEST APHIDS OF THE WORLD AND BIOLOGICAL CONTROL PROJECTS (HYM., APHIDOIDEA).
P Stary
Acta Ent Bohemoslov 64(1):37-61
1967 42D C33
Aphididae, Biological control (insects), Citrus, Hymenoptera, Parasitic insects.

13372-68
SOME COSTS OF INSECT DAMAGE AND CROP PROTECTION. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. F62.
A H Strickland
1:75-88, REF.
1966
Costs, Crop losses, Insect pests, Plant protection.

13373-68
THE SELECTIVE ADVANTAGE ACCRUING TO LYGUS BUGS THAT CAUSE BLASTING OF FLORAL PARTS.
F E Strong
J Econ Entomol 61(1):315-316 REF
Feb 1968 421 J822
Field crops, Lygus hesperus, Lygus lineolaris, Plant injuries.

13374-68
CONSTITUENTS OF THE COTTON BUD. IX. FURTHER STUDIES ON A POLAR BOLL WEEVIL FEEDING STIMULANT COMPLEX.
R F Struck J Frye Y F Shealy P A Hedin A C Thompson
J Econ Entomol 61(1):270-274
Feb 1968 421 J822
Anthonomus grandis, Cotton, Insect behavior, Plant composition.
Abstract

13375-68
THE LARCH SAWFLY IN THE NORTHERN TRANSITIONAL FOREST OF CENTRAL CANADA.
W J Turnock B R McLeod
Entomol Soc Manitoba Proc 22:55-60,MAP
1966 42D EN88
Forest insects, Larix laricina, Pristiphora erichsonii.
Abstract

13376-68
POPULATION SAMPLING FOR INTEGRATED CONTROL. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. F62.
M Van De Van
2:57-75, REF.
1966
Beneficial insects, Insect collecting equipment, Insect pests, Panonychus ulmi, Phytoseiidae, Population statistics, Surveys.

13377-68
INSECT INTERCEPTIONS MADE FROM THE SEED SAMPLES IMPORTED AND EXPORTED FOR PLANT INTRODUCTION WORK DURING THE PERIOD AUGUST 1960 TO DECEMBER 1964.
S R Wadhi T Soares R Lal
Indian J Entomol 28(4):494-500 REF
Dec 1966 420 IN23
India, Insect control, Plant quarantine, Sampling (statistics), Seeds.

13378-68
CONTROL OF PINK BOLLWORM LARVAE WITH SOIL-APPLIED INSECTICIDES.
T P Watson
J Econ Entomol 61(1):320-321
Feb 1968 421 J822
Aldrin, Chemical control (insects), Cotton, Diazinon, Disulfoton, Parathion, Pectinophora gossypiella, Phorate, Soil sterilization, Temik.
Aldrin tested alone and mixed with parathion.

13379-68
STATUS OF THE CEREAL LEAF BEETLE, OULEMA MELANOPUS (L.) COLEOPTERA: CHRYSOMELLIDAE IN NORTH AMERICA.
E H Westdal
Entomol Soc Manitoba Proc 22:38-41
1966 420 EN88
Beneficial insects, Chrysomelidae, Food plants, Grain, Grasses, Insect biology, Oulema melanopus, Plant pest resistance, Plant quarantine.

Nematodes

13380-68
DISTRIBUTION OF THE RENIFORM NEMATODE IN RELATION TO CROP FAILURE OF COTTON IN LOUISIANA.
W Birchfield J E Jones
Plant Dis Rep 45(9):671-673
15 Sep 1961 1.9 P69P
Cotton, Crop losses, Louisiana, Reniform nematode, Rotylenchulus reniformis.

13381-68
RESISTANCE OF AXENIC TOMATO SEEDLINGS TO MELOIDOGYNE INCOGNITA ACRITA AND TO M. HAPLA.
V H Dropkin B E Webb
Phytopathology 57(6):584-587 REF
Jun 1967 464.8 P56
Meloidogyne hapla, Meloidogyne incognita acrita, Plant galls, Plant nematode resistance, Tomatoes.
Abstract:
plants resistant to M. hapla, for the most part, lacked necrotic responses and larvae generally induced galls, but the number of larvae in resistant seedlings was much less than that in susceptible ones.

13382-68
RESPONSE OF HETERODERA TRIFOLII IN RED CLOVER ROOTS TO AZAURACIL AND OTHER INHIBITORS.
E Y Endo G W Schaeffer
Phytopathology 57(6):576-579 REF
Jun 1967 464.8 P56
Heterodera trifolii, Plant growth inhibitors, Plant nematodes, Red clover, Ribonucleic acid,
Triazine-3,5(2H,4H)-dione, 6-as-, Uracil, Uridine.
Abstract:
azauracil and its ribotide derivatives inhibit RNA synthesis. it was hypothesized that a close relationship between nematodes and the syncytia could be disrupted by RNA inhibitors during phases of nematode and syncytial development.

13383-68
DUAL TRANSMISSION OF TOBACCO RINGSPOT VIRUS AND TOMATO RINGSPOT VIRUS BY XIPHINEMA AMERICANUM.
J P Fulton
Phytopathology 57(6):535-537 REF
Jun 1967 464.8 P56
Plant disease transmission, Plant nematodes, Ring spot (cowpeas), Ring spot (cucumbers), Xiphinema americanum, Yellow vein (cucumbers).
Abstract

13384-68
INCIDENCE OF NEMATOCIDAL TREATMENTS ON NEMATODE POPULATIONS.
M B Barrison
Phytopathology 57(7):650-652 REF
Jul 1967 464.8 P56
Nematocides, Plant nematode resistance, Plant nematodes.

13385-68
ELECTRON MICROSCOPY OF A PLANT-PARASITIC NEMATODE, PRATYLENCHUS PENETRANS. (ABSTRACT).
B Hirumi T A Chen K Maramorosch
Phytopathology 57(7):646
Jul 1967 464.8 P56
Electron microscopy, Plant nematodes, Pratylenchus penetrans.

13386-68
PREPARING NEMATODE-FREE BANANA 'SEED'.
C A Loos S B Loos
Phytopathology 50(5):383-386
May 1960 464.8 P56
Bananas, Nematodes.

13387-68
COMPARISON OF THE PATHOGENICITY AND DEVELOPMENT OF THE VA. 2 ISOLATE OF HETERODERA GLYCINES ON PICKETT AND LEE SOYBEANS. (ABSTRACT).
L I Miller
Phytopathology 57(7):647
Jul 1967 464.8 P56
Crop varieties, Heterodera glycines, Plant nematodes, Soybeans.

13388-68
DEVELOPMENT OF 11 ISOLATES OF HETERODERA GLYCINES ON SIX LEGUMES. (ABSTRACT).
L I Miller
Phytopathology 57(7):647
Jul 1967 464.8 P56
Heterodera glycines, Legumes, Plant nematodes.

13389-68
ON THE OCCURRENCE OF THE BURROWING NEMATODE, RADOPHOLUS SIMILIS (COBB, 1893) THORNE, 1949, ON BANANA IN KERALA.
M R G K Nair N M Das M R Menon
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Field crops, Fruit, Ornamental plants, Plant nematodes, Vegetables.

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Chemical control (weeds), Herbicides.

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Herbicides, Tropical agriculture, Weed control.

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Beans, Chemical control (weeds), Evaluation, Herbicides.
Abstract

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Autoradiography, Herbicides, Isotopes, Plants.
Abstract

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197-227 INTERNATIONAL ATOMIC ENERGY AGENCY
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Herbicides, Isotopes, Weeds.

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Us Patent Office Offic Gaz 840(2):588
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Chemical control (weeds), Herbicides, Nitrogen compounds, Patents.

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Broadbeans, Electrons, Ioxynil, Plant biochemistry.
Abstract

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PATENT 3,356,484.
S B Richter
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Chemical control (weeds), Herbicides, Organophosphorus compounds, Patents.

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PATENT 3,350,192.
S B Richter
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Herbicides, Herbicides, Organophosphorus compounds, Patents, Weed control.

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Chemical control (weeds), Chlorinated hydrocarbons, Herbicides, Patents.

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Abstract

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Us Patent Office Offic Gaz 840(2):589
11 Jul 1967 156.65 OF2
Chemical control (weeds), Herbicides, Patents, Urea compounds.

30 LIVESTOCK PROTECTION

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RESPONSE OF PIGEONS TO EIGHT STRAINS OF NEWCASTLE DISEASE VIRUS.
A A S Ahmed I M Beda
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Newcastle disease virus, Pigeons.

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Antigens, Hog cholera, Hog cholera vaccines, Immunization, Patents, Swine, Vaccines, Virus diarrhea.

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Gas gangrene, Horses, Immunization, Serum.
Abstract

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P W Beckett
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Bacterial vaccines, Epizootic diseases, Salmonella, Salmonellosis, Sheep.
Abstract

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Cattle, Creosote, Mineral oil, Poisoning, Ringworm.

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Adverse effects, Arginine, Drug therapy, Ducks, Feed supplements, Glutamic acid, Isoniazid, Mortality, Nicotinic acid, Toxicity, Vitamin b6.

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INFLUENCE OF VITAMIN D ON CALCIUM METABOLISM AND THE PARATHYROID GLANDS OF CATTLE.
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Calcium, Cattle, Metabolism, Parathyroid glands, Vitamin d.

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Nov 1967 41.8 AV5
Avian lymphomatosis, Chickens.

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Vet Rec 82(2):61
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Predatory birds, Tuberculosis.

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Brucellosis, Cattle, Vaccines.
Abstract

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J M Dixon W S Allen
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Immunization, Immunization, Newcastle disease, Poultry, Vaccines.

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J M Evans D T M Forrest
Vet Rec 82(2):62
13 Jan 1968 41.8 V641
Canine distemper vaccines, Dogs, Immunization, Measles vaccine.

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Avian Dis 11(4):556-558
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Chickens, Coccidiosis, Methionine.

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Acetates, Cortisone, Diethylstilbestrol, Feed additives, Lambs.
Abstract

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I. PRELIMINARY STUDY OF CATS.
R R Hearst
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May 1967 41.8 M69
Dermatitis, Staphylococcus aureus.

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PATENT 3,329,573.
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Us Patent Office Offic Gaz 840(1):233
04 Jul 1967 156.65 OP2
Cattle, Immunization, Patents, Vaccines, Vibrio fetus bacterins, Vibriosis.

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COMPARATIVE TITRATION OF EASTERN ENCEPHALITIS VIRUS IN CELL SUSPENSION AND IN CULTURES OF DUCK EMBRYO FIBROBLASTS.
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Avian Dis 11(4):593-594
Nov 1967 41.8 AV5
Ducks, Encephalitis, Volumetric analysis.

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FELINE PANLEUCOPAENIA VIRUS. IN VITRO COMPARISON OF STRAINS WITH A MINK ENTERITIS VIRUS.
R H Johnson
J Small Anim Pract 8(6):319-324 REF
Jun 1967 41.8 J8292
Cats, Feline infectious enteritis, Mink enteritis virus.
Abstract

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B D Jolly
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Jun 1967 41.8 N483
Reticuloendotheliosis, Sheep, Spleen.
Abstract

30 13426-68

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SALMONELLOSIS OF SHEEP: USE OF SERUM FROM A VACCINATED EWE IN A MOUSE PASSIVE PROTECTION TEST.
W E Jonas
New Zeal Vet J 15(4):55-61
Apr 1967 41.8 N483
Immunodiagnosis, Mice, Salmonellosis, Serum, Sheep.
Abstract

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J Nutr 94(2):233-238 REF
Feb 1968 389.8 J82
Chicks, Glutathione, Methionine, Thyroid gland.
Abstract

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Cells, Mastitis, Milk.
Abstract

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May 1967 381 J8223
Deficiency diseases, Livestock, Selenium.
Abstract

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May 1967 41.8 V642
Goats, Mastitis, Staphylococcus, Vaccines.
English, French, German, and Spanish abstracts
Abstract

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CULTIVATION OF AVIAN ENCEPHALOMYELITIS VIRUS IN VITRO. 1. IN CHICK EMBRYO NEUROGLIAL CELL CULTURE.
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Nov 1967 41.8 AV5
Avian encephalomyelitis, Culture media.

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I E Mostafa
Vet Rec 81(3):74-75 REF
15 Jul 1967 41.8 V641
Cattle, Glanders, Tuberculosis.

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Conferences, Livestock diseases, Poultry.

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D L Nelson R G White J O Mozier A D Allen
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May 1967 41.8 M69
Anthelmintics, Cholinesterases, Horses, Muscle relaxants, Pesticides, Succinylcholine chloride.
Used as muscle relaxant.

13435-68
ANTIFUNGAL ANTIBIOTIC AND METHOD OF PRODUCING SAME.
PATENT 3,350,726.
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11 Jul 1967 156.65 OP2
Antibiotics, Fungicides, Patents.

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H J Olander R R Burton H E Adler
Avian Dis 11(4):609-620
Nov 1967 41.8 AV5
Chickens, Hypoxia.

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BOVINE ADENOVIRUS. (JA)
T Omori
Jap Vet Med Ass J 20(11):457-461 REF
1967 41.9 J275
Cattle, Mastitis.

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A RAPIDLY GROWING FIBROSARCOMA IN A FOUR-MONTH OLD RETRIEVER PUPPY.
L N Owen
J Small Anim Pract 8(7):399-400
Jul 1967 41.8 J8292
Dogs, Fibrosarcoma.

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SALMONELLA TYPHIMURIUM INFECTION IN DAIRY COWS.
K T Peterson R E Coon
Amer Vet Med Ass J 151(3):344-350 REF
01 Aug 1967 41.8 AM3
Cattle, Children, Salmonella typhimurium.
Abstract

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C T Rahy D L Hubbard R H Cobbins
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Catalase, Hydrogen-ion concentration, Mastitis, Milk.
Abstract

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J D Rankin R J Taylor G Newman
Vet Rec 80(25), 720-726.
24 Jun 1967 41.8 V641
Cattle, Salmonella dublin, Salmonella typhimurium, Vaccines.

13442-68
CONTROL OF BOVINE TUBERCULOSIS IN SOME COUNTRIES. (SP)
R Reis
Minas Gerais Univ Escol Vet Arq 17:45-56 REF
1965 41.9 M662
Cattle, Tuberculosis.
English summary
Abstract

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G L Reuter G N Hill
Us Patent Office Offic Gaz 843(3):1043
17 Oct 1967 156.65 OP2
Cattle, Mastitis, Patents, Rare gases, Sinuses, Therapeutics.

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CANCER INDUCING AGENTS.
F J C Roe
Sci J 2(5):38-42
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Aflatoxin, Allyl-1,2-(methylenedioxy)-benzene, 4-, Carcinogens, Cycasin, Laboratory animals.

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A Saucier I Flatonow C Hebert
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Feb 1968 41.8 R3224
Antiseptics, Bactericides, Cattle, Mastitis.
English and French summaries
Abstract

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DIAGNOSIS AND PREVENTION OF EQUINE RESPIRATORY DISEASES.
R C Searl
Vet Med/small Anim Clin 62(5):426-433
May 1967 41.8 M69
Arteritis, Equine influenza, Equine rhinopneumonitis, Horses.

13447-68
DISTEMPER CUTBREAK IN A ZOO.
C J Sedgwick W A Young
49(1):39-44
Jan 1968 41.8 N812
Animals, Canine distemper, Zoological gardens.

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II. BRUCELLOSIS IN BRITAIN--TBE PROBLEM: CONTROL: ERADICATION.
J W Simpson
Vet Bec 82(1):11-21 REF
06 Jan 1968 41.8 V641
Brucellosis, Cattle, Economics, Goats, Horses, Immunization, Sheep.

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AN EPIDEMICLOGICAL STUDY OF SALMONELLOSIS OF CHICKENS.
G H Snoeyenbos V L Carlson E A Mckie C F Smyser
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Nov 1967 41.8 AV5
Chickens, Infecticus diseases, Salmonellosis.

13450-68
VITAMIN A DEFICIENCY IN YOUNG CATTLE.
F E Spratling F S Bridge
Great Brit Min Agr Fish Food Agr 73(12):558-561
Dec 1966 10 G79J
Cattle, Deficiency diseases, Vitamin a.

13451-68
AN OUTBREAK OF OVIDUCT ADENOCARCINOMA IN LAYING HENS.
O Swarbrick J G Campbell D M Berry
Vet Rec 82(2):57-59
13 Jan 1968 41.8 V641
Adenocarcinoma, Animal histology, Chickens, Oviducts.

13452-68
METHOD OF PROTECTING THE OFFSPRING OF A HERD OF BREEDING SWINE FROM TURBINATE ATROPHY. PATENT 3,336,190.
W E Switzer
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15 Aug 1967 156.65 OF2
Atrophic rhinitis, Baby pigs, Patents, Sulfonamides.

13453-68
THE NATURAL HISTORY OF ZOONOSES.
B N T-W-Fiennes
Vet Rec 82(11):298-305
16 Mar 1968 41.8 V641
Wildlife, Zoonoses.

13454-68
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R Tassell
Brit Vet J 123(12):550-558
Dec 1967 41.8 V643
Cattle, Deficiency diseases, Diet, Minerals, Proteins, Reproduction, Sheep, Swine, Vitamins.

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INDIRECT HEMAGGLUTINATION WITH DUCK HEPATITIS VIRUS.
D L Taylor L E Hanson
Avian Dis 11(4):586-593 REF
Nov 1967 41.8 AV5
Ducks, Hemagglutination, Virus hepatitis.

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DISK ELECTROPHORESIS OF BODY FLUIDS IN CATTLE WITH EOSINOPHILIC MYOSITIS.
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Cattle, Electrophoresis, Eosinophilic myositis.

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ACACIA NILOTICA (L.) DEL. SUBSP. KRAUSSIANA (BENTH.) BRENAN. AS A POISONOUS PLANT IN SOUTH AFRICA.
M Terblanche J G Kienaar B Rigalke J Vahrmeyer
S Afr Vet Med Ass J 38(1), 57-63. REF.
Mar 1967 41.8 SO8
Poisoning, Weeds.

13458-68
DESTRUCTION OF RACHITOGENIC ACTIVITY OF ISOLATED SOYBEAN PROTEIN BY AUTOCLAVING AS DEMONSTRATED WITH TURKEY POULTS.
O J Thompson C W Carlson I S Palmer O E Olson
J Nutr 94(2):227-232 REF
Feb 1968 3B9.8 J82
Deficiency diseases, Proteins, Rickets, Soybeans.
Abstract

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COMMON DISEASE PROBLEMS IN LABORATORY ANIMALS.
B F Trum J K Boutledge
Amer Vet Med Ass J 151(12):1886-1896
15 Dec 1967 41.8 AM3
Animal diseases, Laboratory animals, Parasites.

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ENDOTOXIN STUDIES IN CHICKS.
R B Truscott W E Inniss
Avian Dis 11(4):595-601
Nov 1967 41.8 AV5
Chickens, Endotoxins, Escherichia coli.

13461-68
A SURVEY ON ANTIBODIES AGAINST CANINE TOXOPLASMA BY HEMAGGLUTINATION TEST AND ISOLATION OF THE ORGANISM FROM DOGS. (JA)
Y Uchinund Y Tateyama T Ichihara Y Kitahara
Jap Vet Med Ass J 20(11):477-480 REF
1967 41.9 J275
Antibodies, Hemagglutination, Surveys, Toxoplasma.
English summary
Abstract

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PATHOGENESIS OF MAREK:S DISEASE (CONNECTICUT A ISOLATE).
J B Vickers C F Helmboldt R E Luginbuhl
Avian Dis 11(4):531-545 REF
Nov 1967 41.8 AV5
Avian lymphomatosis, Poultry.

13463-68
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W M Webster
New Zeal Vet J 15(4):51-54
Apr 1967 41.8 N483
Neoplasms, Sheep, Slaughterhouses.
Abstract

13464-68
SALMONELLA INFECTION IN WILD BIRDS.
J E Wilson J W MacDonald
Brit Vet J 123(5):212-219 REF
May 1967 41.8 V643
Birds, Salmonella gallinarum, Salmonella pullorum, Salmonella typhimurium.
English, French, German, and Spanish abstracts
Abstract

13465-68
CLEANING EXPERIMENT ON RESPIRATORY MYCOPLASMOSIS IN BREEDING CHICKENS WITH CHLORTETRACYCLINE. (JA)
Y Yamano T Kiyota M Uchidomi Y Ishihashi Y Okazaki T Ueda
Jap Vet Med Ass J 20(11):480-483,491 REF
1967 41.9 J275
Chickens, Chlortetracycline, Eggs, Mycoplasma gallisepticum.
English summary, p. 491
Abstract

Arthropods

13466-68
ON THE IDENTITY OF THE GREEK PARASITIC INSECT OISTROS.
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Hypoderma bovis.

Parasites

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Animals, Helminthiasis, Humans, Zoonoses.

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G R Kelloff
Vet Med/small Anim Clin 62(5):438-440
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Chinchillas, Drug therapy, Feed additives, Griseofulvin, Ringworm.

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R V Brunsdon
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Jun 1967 41.8 N483
Lambs, Nematodirus.

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SOME ASPECTS ABOUT HELMINTH PARASITES OF SUS DOMESTICUS LINNAEUS, 1758, FROM THE STATE OF BAHIA, BRAZIL. (SP)
R M A Costa
Minas Gerais Univ Escol Vet Arq 17:11-44 REF
1965 41.9 M662
Helminthiasis, Parasitism, Swine.
English summary
includes new species
Abstract

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THE REACTION OF CALVES TO HELMINTH INFECTION UNDER NATURAL GRAZING CONDITIONS. II. PATHOLOGY OF TERMINAL DISEASE.
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Calves, Grazing, Helminthiasis, Mortality.
Abstract

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ACUARIA SPIRALES (DISPHARYNX-NASUTA) IN A DOG.
J S Ransen
Vet Med/small Anim Clin 62(5):469-470
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Acuaria spirales, Dogs, Nematodes.

13473-68
DISEASE AGENTS AFFECTING LIVESTOCK IN BRITISH HONDURAS.
I. INTERNAL AND EXTERNAL PARASITES.
C W R Ratherill
Vet Rec 82(7):188-190
17 Feb 1968 41.8 V641
Arthropods, Helminthiasis, Insects, Livestock diseases.

13474-68
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G R S Heath A R Rawcett
Vet Rec 82(11):319-322
16 Mar 1968 41.8 V641
Helminthiasis, Sheep.

13475-68
THE INTERPRETATION OF FAECAL EGG-COUNTS. IV. THE INFLUENCE OF FAECAL CONSISTENCY AND DRY MATTER CONTENT ON FASCIOLA HEPATICA EGG-COUNTS IN CATTLE.
M R Honer
Z Parasitenk 28(3):211-218 REF
1967 442.8 Z33P
Cattle, Fasciola hepatica, Feces.
English and German abstracts
Abstract

13476-68
THE INTERPRETATION OF FAECAL EGG-COUNTS. V. A FURTHER NOTE ON SINGLE AND MULTIPLE SAMPLING IN THE DETECTION OF PARASITIC INFECTIONS.
M R Honer
Z Parasitenk 28(3):219-222
1967 442.8 Z33P
Cattle, Fasciola hepatica, Feces, Humans.
English and German abstracts
Abstract

13477-68
FARM-TO-FARM TRANSMISSION OF PORCINE OESOPHAGOSTOMIASIS.
U E Jacobs M E Tod A M Dunn J Walker
Vet Rec 82(2):57
13 Jan 1968 41.8 V641
Oesophagostomiasis, Oesophagostomum, Swine.

13478-68
OXYGEN INFLUENCE ON EGG PRODUCTION BY A PARASITIC NEMATODE.
L F LeJambre J H Whitlock
J Parasitol 53(4):887
Aug 1967 448.8 J824
Haemonchus contortus, Nematodes, Oxygen, Sheep.

13479-68
A GUIDE TO HELMINTH SPECIES DESCRIBED FROM AFRICAN VERTEBRATES. QL757.033.
A H Ogambo-Ongoma A G Canaris
207 P. REF WEST VIRGINIA UNIVERSITY LIBRARY, MORGANTOWN
1967
Helminthology, Vertebrates.

13480-68
THE DIAGNOSIS OF HELMINTHIASIS IN HORSES.
M C Round
Vet Rec 82(2):39-42,43
13 Jan 1968 41.8 V641
Diagnosis, Helminthiasis, Horses.
Abstract

13481-68
EXPERIMENTAL HELMINTHIASIS IN PARASITE-FREE CALVES ON MARSHLAND PASTURES.
H J Smith R M Archibald
Can Vet J 9(2),46-55 REF
Feb 1968 41.8 R3224
Calves, Helminthiasis, Marshes, Pastures.
English and French summaries
Abstract

13482-68
FURTHER ANALYSIS OF THE FACTORS CONTROLLING STROBILIZATION, DIFFERENTIATION, AND MATURATION OF ECHINOCOCCUS GRANULOSUS IN VITRO.
J D Smyth H J Miller A R Howkins
Exp Parasitol 21(1):31-41 REF
Aug 1967 436.8 EX7
Echinococcus granulosus, Helminths.
Abstract

40 COMMODITY PROTECTION

Storage Diseases

13483-68
NEW FINDINGS ABOUT FUMIGANT AND ATMOSPHERIC GASES IN THE CONTROL OF INSECTS AND MOLDS IN GRAIN.
R Berck
Entomol Soc Manitoba Proc 22:16-22 REF
1966 420 EN88
Carbon dioxide, Fumigants, Grain, Insect control, Molds, Nitrogen, Oxygen, Pesticide residues, Stored products.
Abstract

13484-68
INCREASE IN INVASION BY STORAGE FUNGI AND IN FAT ACIDITY VALUES OF COMMERCIAL LOTS OF SOYBEANS STORED AT MOISTURE CONTENTS OF 13.0-14.0 PERCENT.
C M Christensen
Phytopathology 57(6):622-624
Jun 1967 464.8 P56
Alternaria, Aspergillus glaucus, Aspergillus restrictus, Soybeans, Storage diseases.
Abstract

13485-68
HOW FUNGI ATTACK MATERIAL.
N I Hendley
Sci J 2(1):43-45
Jan 1966 Q1.S34
Food spoilage, Losses, Molds, Raw materials, Textiles.

13486-68
TREATMENT OF FRUITS AND THE LIKE TO INHIBIT DECAY.
PATENT 3,347,683.
A J Kraght R C Marks
Us Patent Office Offic Gaz 843(3):1028
17 Oct 1967 156.65 OP2
Cobalt, Fruit, Patents, Storage diseases.

13487-68
EFFECT OF MOISTURE CONTENT AND TEMPERATURE ON INVASION OF STORED CORN BY ASPERGILLUS FLAVUS.
L C Lopez C M Christensen
Phytopathology 57(6):588-590
Jun 1967 464.8 P56
Aspergillus candidus, Aspergillus flavus, Corn.
Abstract:
a beginning moisture content of 18.5 percent and a temperature of 25 C favored invasion by A. ochraceus, and a beginning moisture content of 16.5 percent and a temperature of 35 C resulted in heavy invasion by A. candidus.

13488-68
PREPARATIONS OF AFLATOXINS AND DETERMINATION OF THEIR ULTRAVIOLET AND FLUORESCENT CHARACTERISTICS.
J A Robertson W A Pons L A Goldblatt
J Agr Food Chem 15(5):798-801
Sep 1967 3E1 J8223
Aflatoxin, Chromatography, Fluorescence, Ultraviolet rays, Wheat.
Abstract

Arthropods

13489-68
STUDIES ON THE SUSCEPTIBILITY OF CERTAIN STORED PRODUCTS INSECTS TO BACTERIAL INSECTICIDES. 1. TESTS WITH BAKTHANE L-69.
A M Afifi
Soc Entomol Egypte Bull 49:59-64
1966 420 EG9
Achroia grisella, Anagasta kuehniella, Bacillus thuringiensis, Biological control (insects), Insect pests, Insecticide resistant insects, Plodia interpunctella, Stored products, Thuricide.

13490-68
THE FAUNA OF STORED PRODUCTS IN U.A.R.
R Attia A H Kamel
Soc Entomol Egypte Bull 49:221-232
1966 420 EG9
Insect pests, Mites, Rodents, Stored products.

13491-68
INTEGRATED HOUSE FLY CONTROL: POPULATIONS OF FLY LARVAE AND PREDACEOUS MITES, MACROCHELES MUSCAEDOMESTICAE, IN POULTRY MANURE AFTER LARVICIDE TREATMENT.
R C Axtell
J Econ Entomol 61(1):245-249
Feb 1968 421 J822
Insect populations, Integrated control (insects), Larvicides, Macrocheles muscaedomesticae, Mites, Musca domestica, Poultry manure.
Abstract

13492-68
LEPIDOPTERA INFESTING STORED PRODUCTS. IN: SMITH, C. N. INSECT COLONIZATION AND MASS PRODUCTION. QL497.S6.
H P Boles F O Marzke
259-270 REF
1966
Insect biology, Insect rearing, Insect rearing equipment, Lepidoptera, Stored products.

13493-68
NOTES ON GNATHOTRICHUS MATERIARIUS (COL. SCOLYTIDAE), A TIMBER BEETLE NEW TO THE NETHERLANDS.
D Doom
Entomol Ber 27(8):143-148
01 Aug 1967 420 N38R
Forest insects, Gnathotrichus materiarius, Scolytidae, Timber.
Abstract

13494-68
ONTOGENY AND COMPARATIVE RADIATION SENSITIVITY IN THE CONFUSED FLOUR BEETLE AND STRAINS OF THE RED FLOUR BEETLE.
R E Erdman
J Econ Entomol 61(1):123-125
Feb 1968 421 J822
Insect physiology, Metamorphosis, Tribolium castaneum, Tribolium confusum, X-rays.
Abstract

13495-68
COLEOPTERA INFESTING STORED PRODUCTS. IN: SMITH, C. N. INSECT COLONIZATION AND MASS PRODUCTION. QL497.S6.
P K Harein E L Soderstrom
241-257 REF
1966
Coleoptera, Insect behavior, Insect rearing, Stored products.

13496-68
BIOLOGICAL STUDIES ON THE MEDITERRANEAN FLOUR MOTH, ANAGASTA KUHNIELLA ZELLER (LEPIDOPTERA: PHYCITIDAE).
M A Bassanein A R Kamel
Soc Entomol Egypte Bull 49:327-358 REF
1966 420 EG9
Anagasta kuehniella, Grain, Storage.

13497-68
PREFERENCE FOR WOOD OF DIFFERENT DEGREES OF DAMPNESS IN SOME TERMITES FROM CUBA (ISOPTERA).
I Ordy J Zeleny

40 13498-68

Acta Ent Bchemoslov 64(5):352-363 REF
1967 420 C33
Humidity, Insect behavior, Termites, Wood.

13498-68
EFFECT OF HIGH-AMYLOSE FIELD CORN ON LARVAL GROWTH AND SURVIVAL OF FIVE SPECIES OF STORED-GRAIN INSECTS.
J J Rhine E Staples
J Econ Entomol 61(1):280-282
Feb 1968 421 JB22
Amyloses, Corn, Insect physiology, Longevity,
Rhizopertha dominica, Sitophilus granarius, Sitophilus oryzae,
Sitotroga cerealella, Stored products, Tribolium castaneum.
Abstract

13499-68
INSECT CONTROL WITH HIGH FREQUENCY ELECTRIC FIELDS.
P L Watters
Entomol Soc Manitoba Proc 22:23
1966 420 EN88
Electric fields, Insect control, Stored products.

13500-68
EFFECTIVENESS OF GAMMA IRRADIATION FOR CONTROL OF FIVE SPECIES OF STORED-PRODUCT INSECTS.
P L Watters K F MacQueen
J Stored Prod Res 3(3):223-234 REF
Oct 1967 421 J829
Cobalt isotopes, Cryptolestes ferrugineus, Gamma rays,
Insect control, Irradiation, Rhyzopertha dominica,
Sitophilus granarius, Tribolium castaneum, Tribolium confusum.
Abstract

Rodents and Other Pests

13501-68
SOME OBSERVATIONS ON THE PROBABLE DAMAGE CAUSED BY BATS IN BOMBAY.
P J Deoras
Indian J Entomol 28(4):543-547
Dec 1967 420 IN23
Crop losses, Food, India, Bats.

13502-68
COMPARATIVE TOXICITY OF RODENTICIDES.
A P Roszkowski
Fed Amer Soc Exp Biol Fed Proc 26(4):1082-1088 REF
Jul 1967 442.9 F31F
Laboratory animals, Livestock, Rodenticides, Toxicology,
Wildlife.

Microbial Contamination

13503-68
SALMONELLAE ASSOCIATED WITH RUBTHER-PROCESSED TURKEY PRODUCTS.
P L Bryan J C Ayres A A Kraft
Appl Microbiol 16(1):1-9 REF
Jan 1968 448.3 AP5
Food contamination, Poultry products, Salmonella, Turkey meat.
Abstract

13504-68
SURVIVAL AND OUTGROWTH OF CLOSTRIDIUM BOTULINUM TYPE E SPORES IN SMOKED FISH.
L N Christiansen J Deffner E M Foster A Sugitama
Appl Microbiol 16(1):133-137 REF
Jan 1968 448.3 AP5
Clostridium botulinum, Fish, Food contamination,
Smoking (preservation), Spore germination.
Smoked chub
Abstract

13505-68
IMPROVED MEDIUM FOR SPORULATION OF CLOSTRIDIUM PERFRINGENS.
C L Duncan D B Strong
Appl Microbiol 16(1):82-89 REF
Jan 1968 448.3 AP5
Clostridium perfringens, Culture media, Food contamination,
Spore germination.

13506-68
STERILIZATION OF BARLEY MALT WITH GAMMA RADIATION.
L L Kempe J T Graikoski J B Stratton W H Day
J Agr Food Chem 12(1):98-100
Jan 1964 381 JB223
Barley, Gamma rays, Lactic acid bacteria, Malt,
Pasteurization.

13507-68
USE OF IMMUNOFLUORESCENCE AND ANIMAL TESTS TO DETECT GROWTH AND TOXIN PRODUCTION BY CLOSTRIDIUM BOTULINUM TYPE E IN FOOD.
T Midura Taclindo G S Nygaard B L Bodily B M Wood
Appl Microbiol 16(1):102-105
Jan 1968 448.3 AP5
Biological assay, Clostridium botulinum, Convenience food,
Fluorescent antibody technic, Food analysis,
Food contamination, Growth factors, Poultry products, Toxins,
Turkey meat.
Tests were made with turkey rolls.
Abstract

13508-68
DETECTION OF BOTULINAL TOXINS BY IMMUNODIFFUSION.
B L Vermilyea H W Walker J C Ayres
Appl Microbiol 16(1):21-24 REF
Jan 1968 448.3 AP5
Clostridium botulinum, Food analysis, Food contamination,
Toxins.
Abstract

50 ENVIRONMENTAL CONTAMINATION

13509-68
USE OF 74AS-TAGGED SODIUM ARSENITE IN A STUDY OF EFFECTS OF A HERBICIDE ON POND ECOLOGY. IN: ISOTOPES IN WEED RESEARCH; PROCEEDINGS OF A SYMPOSIUM VIENNA, 25-29 OCTOBER 1966. S589.S9.
R C Ball F H Booper
149-163 INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Aquatic plants, Chemical control (weeds), Herbicides, Metabolism, Ponds, Sodium arsenite.
Abstract

13510-68
RESIDUES OF ORGANOCHLORINE INSECTICIDES AND THEIR METABOLITES IN SOILS IN THE ATLANTIC PROVINCES OF CANADA.
T R Duffy N Wong
J Agr Food Chem 15(3):457-464
May 1967 361 J8223
Aldrin, Canada, Chlorinated hydrocarbons, Chromatography, Ddt, Dieldrin, Heptachlor, Insecticide residues, Metabolites, Soil contamination.
Abstract
objectives of this project were to establish quantitatively the extent to which residues of the organochlorine insecticides - heptachlor, dieldrin, aldrin, DDT, chlordane - were occurring in Canadian Atlantic soils and the nature of the metabolites resulting from them.

13511-68
SECRETARY FREEMAN ANNOUNCES PESTICIDE DECONTAMINATION PROGRAM.
O L Freeman
Nat Agr Chem Ass News Pesticide Rev 26(1):11
Oct 1967 421 AG8
Decontamination, Environment, Pesticides, Policies.

13512-68
POTENTIAL USE OF TRACER METHODS ESPECIALLY AUTORADIOGRAPHY IN THE STUDY OF THE RELATION OF HERBICIDES TO SOIL BIOLOGY IN: ISOTOPES IN WEED RESEARCH; PROCEEDINGS OF A SYMPOSIUM VIENNA 25-29 OCTOBER 1965 S589.S9.
E Grossbard
173-187 INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Autoradiography, Herbicides, Radioactive tracers, Soil biology, Soils.
Abstract

13513-68
ANAEROBIC DEGRADATION OF SELECTED CHLORINATED HYDROCARBON PESTICIDES.
D W Hill P L McCarty
Water Pollut Contr Fed J 39(8):1259-1277 REF
Aug 1967 293.8 SE8
Aldrin, Anaerobic bacteria, Biochemistry, Chlorinated hydrocarbons, Ddt, Degradation, Dieldrin, Endrin, Heptachlor, Heptachlor epoxide, Lindane, Pesticides, Sludge, Tde, Water pollution.

13514-68
AQUATIC INSECTS ASSOCIATED WITH MIDWESTERN WASTE STABILIZATION LAGOONS.
R A Kimerle W R Enns
Water Pollut Contr Fed J 40(2):R31-R41
Feb 1968 293.8 SE8
Aquatic insects, Ponds, Waste disposal.
Lagoons for municipal, residential, trailer park, and poultry-processing structures

13515-68
ANAEROBIC LAGOON TREATMENT OF MILKING-PARLOR WASTES.
R C Loehr J A Ruf
Water Pollut Contr Fed J 40(1):83-94 REF
Jan 1968 293.8 SE8
Anaerobic bacteria, Milking barns, Waste disposal, Water treatment.

13516-68
TRAVEL OF NITROGEN IN SOILS.
B C Freul G J Schroepfer
Water Pollut Contr Fed J 40(1):30-48
Jan 1968 293.8 SE8
Enclosures, Nitrogen, Privies, Septic tanks, Soil contamination.

13517-68
DETERMINATION OF THE HERBICIDE TORDON (4-AMINO-3,5,6-TRICHLOROPICOLINIC ACID) IN SOIL BY ELECTRON CAPTURE GAS CHROMATOGRAPHY.
J G Saha L A Gadallah
Ass Offic Anal Chem J 50(3):637-641
Jun 1967 381 AS7
Chromatography, Electron capture, Herbicide residues, Picloram, Soil contamination.

13518-68
BEHAVIOR OF 14-C-LABELLED DIESEL OIL IN DIFFERENT SOILS. IN: ISOTOPES IN WEED RESEARCH; PROCEEDINGS OF A SYMPOSIUM VIENNA 25-29 OCTOBER 1965. S589.S9.
A Suss G Schurmann G Pfann
125-134 REF INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Carbon isotopes, Diesel fuels, Isotopes, Radioactive tracers, Soil adsorption, Soils.
Abstract

13519-68
DESIGN OF A MODERN MEAT-PACKING WASTE TREATMENT PLANT.
E Willoughby V D Patton
Water Pollut Contr Fed J 40(1):132-137
Jan 1968 293.8 SE8
Costs, Slaughterhouses, Waste disposal.

13520-68
WATER POLLUTION CONTROL AND ABATEMENT. TD420.W45.
T L Willrich N W Rines
194 P. AMES, IOWA STATE UNIVERSITY PRESS
1967
Agricultural industries, Industrial wastes, Sewage disposal, Water pollution.

13521-68
ALDRIN ADSORPTION BY SOILS AND CLAYS.
R Yaron A R Swoboda G W Thomas
J Agr Food Chem 15(4):671-675
Jul 1967 381 J8223
Adsorption, Aldrin, Chromatography, Clay soils, Pesticide analysis, Pesticide residues, Radioactive tracers, Sand, Soil contamination, Spectrometry.
Abstract

55 RESIDUES

13522-68
INSPECTOR'S MANUAL. AS951.A5D52.
1 V
1967
Inspection (agricultural products), Manuals, Pesticides.

13523-68
THE JOINT FAO/ WHO PROGRAMME ON THE TOXICITY OF PESTICIDE RESIDUES IN FOOD. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A PANEL VIENNA 12-16 APRIL 1965. SE953.P32.
C Agthe
110 INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Food contamination, Pesticide residues.

13524-68
DETERMINATION OF DCPOE AND DIDIAL BY THE ISOTOPE DILUTION METHOD. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A PANEL, VIENNA, 12-16 APRIL 1965. SE953.P32.
R Razzi
27-32 INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Apples, Dimethoate, Olive oil, Pesticide residues, Phenthoate.

13525-68
REMOVAL OF CHLORINATED INSECTICIDE RESIDUES FROM MILK FAT BY MOLECULAR DISTILLATION.
D D Bills J L Sloan
J Agr Food Chem 15(4):676-678
Jul 1967 381 J8223
Chlorinated hydrocarbons, Insecticide residues, Milk fat, Molecular distillation.
Abstract

13526-68
PLANT GROWTH REGULANT. BIOCHEMICAL BEHAVIOR OF 2-CHLOROETHYL TRIMETHYLAMMONIUM CHLORIDE IN WHEAT AND IN RATS.
R C Elinn
J Agr Food Chem 15(6):984-988
Nov 1967 381 J8223
Chloro(ethyl)trimethylammonium chloride, (2-, Metabolism, Plant regulators, Radioactive tracers, Rats, Wheat.
Abstract

13527-68
POTENTIAL OF NEUTRON ACTIVATION ANALYSIS OF PESTICIDES AND METABOLITES. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A PANEL VIENNA, 12-16 1965. SE953.P32.
R L Bogner
78-89 REF INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Metabolites, Neutron activation analysis, Pesticide residues, Spectrometry.

13528-68
GAS CHROMATOGRAPHIC ANALYSIS OF 3-HYDROXY-N-METHYL-CIS-CROTONAMIDE DIMETHYL PHOSPHATE (AZODRIN) AND 3-HYDROXY-N,N-DIMETHYL-CIS-CROTONAMIDE DIMETHYL PHOSPHATE (BIDRIN).
M C Bowman M Beroza
J Agr Food Chem 15(3):465-468
May 1967 381 J8223
Azodrin, Bidrin, Chromatography, Corn, Insecticide residues, Pesticide analysis, Photometry.
Abstract

13529-68
TEMPERATURE-PROGRAMMED GAS CHROMATOGRAPHY OF 20 PHOSPHORUS-CONTAINING INSECTICIDES ON 4 DIFFERENT COLUMNS AND ITS APPLICATION TO THE ANALYSIS OF MILK AND CORN SILAGE.
M C Bowman M Beroza
Ass Offic Anal Chem J 50(6):1228-1236
Dec 1967 381 AS7
Chromatography, Corn, Insecticide residues, Milk, Organophosphorus compounds, Pesticide analysis, Silage.
Abstract

13530-68
DETERMINATION OF RESIDUES OF MOBIL MC-A-600 (BENZO(B)THIEN-4-YL METHYLCARBAMATE) AND ITS HYDROLYSIS PRODUCT (BENZO(B)THIOPHENE-4-OL) IN COASTAL BERMUDA GRASS AND MILK.
M C Bowman M Beroza
J Agr Food Chem 15(5):894-897
Sep 1967 381 J8223
Benzo(b)thien-4-yl methylcarbamate, Benzo(b)thiophene-4-ol, Chromatography, Cynodon dactylon, Insecticide residues, Milk, Pesticide analysis.
Abstract

13531-68
RAPID METHOD FOR SURFACE RESIDUES OF ORGANOPHOSPHORUS PESTICIDES BY TOTAL PHOSPHORUS.
E J Broderick E P Tascbenberg L J Hicks A W Avens J E Bourke
J Agr Food Chem 15(3):454-456
May 1967 381 JE223
Azinphosmethyl, Diazinon, Fruit, Imidan, Insecticide residues, Microanalysis, Organophosphorus compounds, Pesticide analysis, Phosphates.
Abstract

13532-68
DDT PROBLEM AT A GLANCE.
A W A Brown
Aerial Appl 5(7):13-14
Jul 1967 333.8 AE8
Chlorinated hydrocarbons, Ddt, Insecticide residues, Organophosphorus compounds, Toxicity, Wildlife.

13533-68
NOTE ON THE EFFECT OF SAMPLE MOISTURE CONTENT ON EXTRACTION OF TDE FROM KALE.
J A Burke M L Porter
Ass Offic Anal Chem J 50(6):1260-1262
Dec 1967 381 AS7
Extraction, Food moisture, Insecticide residues, Kale, Pesticide analysis, Tde.

13534-68
METHOD OF ACTIVATION ANALYSIS FOR MERCURY IN THE BIOSPHERE AND IN FOODS. AN ADDENDUM. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES: PROCEEDINGS OF A PANEL VIENNA, 12-16 1965. SE953.P32.
R Christell L G Erwall K Ljunggren R Sjostrand T Westermark
90-95 REF INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Food contamination, Mercury compounds, Neutron activation analysis, Pesticide analysis, Pesticide residues, Pheasants, Spectrometry.

13535-68
FATE OF 2-METHYL-2-(METHYLTHIO)PROPION ALDEHYDE O-(METHYLCARBAMOYL)OXIME (TEMIK) IN COTTON PLANTS AND SOIL.
J R Coppedge D A Lindquist D L Bull H W Dorough
J Agr Food Chem 15(5):902-910
Sep 1967 381 JR223
Carbon isotopes, Cotton, Decomposition, Insecticide residues-Metabolites, Radioactive tracers, Soils, Temik.
Abstract

13536-68
PROBLEMS WITH DDT IN FISH CULTURE OPERATIONS.
J P Cherrier J A Keith E Stone
Natur Can 94(3),315-320
May 1967 410 N216
Ddt, Feed contamination, Fish, Insecticide residues, Mortality.
English and French abstracts
Abstract

13537-68
A SURVEY OF ORGANIC CHLORIDE IMPURITIES IN FOOD GRADE HYDROCHLORIC ACID.
J G Cummings K T Zee
Ass Offic Anal Chem J 50(6):1262-1265
Dec 1967 381 AS7
Chlorinated hydrocarbons, Conlometers, Food contamination, Hydrochloric acid, Pesticide residues, Statistical analysis.
Abstract:
no chlorinated pesticides were found.

13538-68
A REPORT ON RESIDUES IN FOOD.
R E Duggan K Dawson
Nat Agr Chem Ass News Pesticide Rev 25(6):3-7
Aug 1967 421 AG8

Food contamination, Pesticide residues, Statistics, Tolerances.

13539-68
COLORIMETRIC DETERMINATION OF ALAR RESIDUES IN APPLES.
L J Edgerton M I Hockey H Arnold D J Lisk
J Agr Food Chem 15(5):812-813
Sep 1967 381 J8223
Apples, Colorimetry, Pesticide analysis, Pesticide residues, Plant growth inhibitors, Succinic acid, 2,2-dimethylhydrazide.
Abstract

13540-68
CHLORINATED HYDROCARBON INSECTICIDE RESIDUES IN SELECTED INSECTS AND BIRDS FOUND IN ASSOCIATION WITH COTTON FIELDS.
E I El Sayed J B Graves P L Bonner
J Agr Food Chem 15(6):1014-1017
Nov 1967 381 J8223
Birds, Chlorinated hydrocarbons, Cotton, Ddt, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, Heliothis zea, Insecticide residues, Insects, Metabolites.
Abstract

13541-68
REVIEW OF THE METABOLISM AND DECOMPOSITION OF DIQUAT AND PARAQUAT.
H H Funderburk G A Bozarth
J Agr Food Chem 15(4):563-567
Jul 1967 381 J8223
Decomposition, Diquat, Herbicides, Paraquat, Soil microorganisms, Ultraviolet rays.
Abstract

13542-68
METABOLISM OF CARBON-14 TRIFLURALIN IN CARROTS.
T Golab B J Berberg S J Parka J B Tepe
J Agr Food Chem 15(4):638-641
Jul 1967 381 J8223
Carbon isotopes, Carrots, Herbicide residues, Plant metabolism, Radioactive tracers, Trifluralin.
Abstract

13543-68
PENTACHLOROANILINE RESIDUES IN POTATOES.
S Gorbach D Wagner
J Agr Food Chem 15(4):654-656
Jul 1967 381 J8223
Chromatography, Fungicides, Metabolites, Pentachloroaniline, Pentachloronitrobenzene, Pesticide analysis, Pesticide residues, Potatoes.
Abstract

13544-68
ABSORPTION OF ORGANOCHLORINE INSECTICIDE RESIDUES FROM AGRICULTURAL SOILS BY ROOT CROPS.
C R Harris W W Sans
J Agr Food Chem 15(5):861-863
Sep 1967 381 J8223
Absorption, Chlorinated hydrocarbons, Insecticide residues, Plant metabolism, Plant translocation, Root crops, Soils.
Abstract

13545-68
ADDITIONAL CLEANUP OF SAMPLES ON GLC COLUMN FOR TLC DETERMINATION OF PESTICIDE RESIDUES.
K T Hartman
Ass Offic Anal Chem J 50(3):615-623
Jun 1967 381 AS7
Chromatography, Cleanup, Food contamination, Pesticide analysis, Pesticide residues, Gas-liquid chromatography (GLC) and thin layer chromatography (TLC)
Abstract

13546-68
PARATHION AND METHYL PARATHION RESIDUES ON CABBAGE AND SOUTHERN PEAS.
C E Hoelscher D A Wolfenbarger N E Foster
J Econ Entomol 61(1):56-58
Feb 1968 421 J822
Cabbage, Cowpeas, Insecticide residues, Methyl parathion, Parathion.
Abstract

13547-68
UNINTENTIONAL BIOLOGICAL EFFECTS OF PESTICIDE APPLICATION. (SUMMARY). IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. P62.
H Hurtig B F Madsen
1:23-24
1966
Environment, Food contamination, Pesticide residues.

13548-68
METABOLISM OF RADIOACTIVE CESIUM (134CS AND 137CS) AND POTASSIUM BY DAIRY CATTLE AS INFLUENCED BY HIGH AND LOW FORAGE DIETS.
J E Johnson G M Ward E Firestone K L Knox
J Nutr 94(3):282-288 REF
Mar 1968 389.8 J82
Cattle, Cesium isotopes, Diet, Feces, Feed contamination, Grain, Hay, Metabolism, Milk, Potassium isotopes, Radioactive tracers, Urine.
Abstract

13549-68
INFLUENCE OF PHYSICOCHEMICAL PROPERTIES ON BIODEGRADABILITY OF PHENYLCARBAMATE HERBICIDES.
P C Kearney
J Agr Food Chem 15(4):568-571
Jul 1967 381 J8223
Decomposition, Enzymes, Herbicide residues, Hydrolysis, Phenylcarbamates.
Abstract

13550-68
GAS CHROMATOGRAPHIC DETERMINATION OF CAPTAN RESIDUES.
W W Kilgore W Winterlin R White
J Agr Food Chem 15(6):1035-1037
Nov 1967 381 J8223
Apricots, Captan, Chromatography, Cottonseed, Fungicide residues, Peaches, Pesticide analysis, Tomatoes.
Abstract

13551-68
METABOLISM OF CHLORINATED INSECTICIDES. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A PANEL, VIENNA, 12-16 APRIL 1965. S8953.P32.
F Korte
38-48 REF INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Aedes aegypti, Aspergillus, Chlorinated hydrocarbons, Laboratory animals, Penicillium.

13552-68
CHLORANIL. IN: ZWEIG, ANALYTICAL METHODS FOR PESTICIDES, PLANT GROWTH REGULATORS, AND FOOD ADDITIVES. VOL. III. FUNGICIDES, NEMATOCIDES. AND SOIL FUMIGANTS, RODENTICIDES, AND FOOD AND FEED ADDITIVES. 395 Z9.
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27-39, REF. ACADEMIC PRESS, NEW YORK
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Chloranil, Food contamination, Fungicides, Pesticide analysis, Pesticide residues.

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TRANSLOCATION OF INSECTICIDES FROM SOILS INTO PEA PLANTS EFFECTS OF THE DETERGENT LAS OR TRANSLOCATION AND PLANT GROWTH.
E P Lichtenstein T W Fuhremann N E A Scopes R F Skrentny
J Agr Food Chem 15(5):864-869
Sep 1967 381 J8223
Aldrin, Detergents, Diazinon, Ethyl parathion, Insecticide residues, Lindane, Linear alkyl benzene sulfonate, Peas, Plant metabolism, Plant translocation, Roots, Soils.
Abstract

13554-68
REF. IN: ZWEIG, ANALYTICAL METHODS FOR PESTICIDES, PLANT GROWTH REGULATORS, AND FOOD ADDITIVES. VOL. IV. HERBICIDES. 395 Z9.
D MacDougall
89-93 ACADEMIC PRESS, NEW YORK
1964
Cotton, Defoliants, Organophosphorus compounds, Pesticide analysis, Tributyl phosphorotrithioate, S,S,S-.

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METABOLISM OF O-PHENYL-O'-(4-NITROPHENYL) METHYLPHOSPHONOTHIONATE (COLEP) IN PLANTS AND ANIMALS.
G J Marco E G Jaworski
J Agr Food Chem 12(4):305-310, TABS.
Jul 1964 381 J8223
Animal metabolism, Colep, Insecticides, O-phenyl-o'-4-nitrophenyl methylphosphonothionate, Plant metabolism.

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SPECTROPHOTOMETRIC DETERMINATION OF TEMIK RESIDUES IN CITRUS.
W R Meagher R Hendrickson R G Shively
Ass Offic Anal Chem J 50(6):1242-1246
Dec 1967 381 AS7
Citrus, Metabolites, Pesticide residues, Spectrophotometry, Temik.
Abstract

13557-68
PERSISTENT PESTICIDES. 2.
G I Mehren
Agr Chem 22(7):26-27
Jul 1967 381 AG8
Carbamates, Pest control, Pesticide residues, Pesticides, Phosphates.

13558-68
DETERMINATION OF TETRACHLOR IN CROPS AND SOIL BY ELECTRON-CAPTURE GAS CHROMATOGRAPHY.
T P Methratta R W Montagna W P Griffith
J Agr Food Chem 15(4):648-650
Jul 1967 381 JR223
Chromatography, Crops, Fungicide residues, Pentachloronitrobenzene, Pesticide analysis, Soil contamination, Spectrophotometry.
Abstract

13559-68
INFLUENCE OF OXYTOCIN ON DIFFUSION OF SULFONAMIDES FROM PLASMA INTO BOVINE MILK.
G E Miller C M Stowe
J Dairy Sci 50(6):840-846 REF
Jun 1967 44.8 J822
Blood plasma, Cattle, Milk, Oxytocin, Sulfamethazine, Sulfonamides.
A single, intravenous dose was not sufficient to study the mechanisms of transport of organic acids into milk.
Abstract

13560-68
DETERMINATION OF CHLOROCHOLINE CHLORIDE RESIDUES IN WHEAT GRAIN, STRAW, AND GREEN WHEAT FOLIAGE.
E F Mooney N E Pasarela
J Agr Food Chem 15(6):989-995
Nov 1967 381 J8223
Chloroethyl)trimethylammonium chloride, (2-, Chromatography, Pesticide analysis, Pesticide residues, Plant regulators, Straw, Wheat.
Abstract

13561-68
PREVENTION AND FIRST AID FOR LIVESTOCK POISONED WITH CHEMICALS. SF757.5.N3. (RUS)
G S Nazarov
72 P.
1966
Agricultural chemicals, Livestock, Pesticides, Poisoning, Therapeutics.

13562-68
GAS CHROMATOGRAPHIC DETERMINATION OF FAMPHUR AND ITS OXYGEN ANALOG RESIDUES IN BOVINE MILK, BLOOD, AND EDIBLE TISSUES.
N R Pasarela E E Tondreau W R Bohn G O Gale
J Agr Food Chem 15(5):920-926
Sep 1967 381 J8223
Cattle, Chromatography, Famphur, Insecticide residues, Milk, Systemic insecticides.
Abstract

13563-68
FATE OF TRIFLURALIN IN SOILS AND PLANTS.
G W Probst T Golab R J Herberg F J Holzer S J Parka
C Van Der Schans J B Tepe
J Agr Food Chem 15(4):592-599
Jul 1967 381 JR223
Carbon isotopes, Crops, Decomposition, Herbicide residues, Radioactive tracers, Soils, Trifluralin.
Abstract

13564-68
DISTRIBUTION OF P,P'-DDT RESIDUES IN ADIPOSE AND MUSCLE TISSUES OF BEEF CATTLE.
T S Rumsey P A Putnam R E Davis C Corley
J Agr Food Chem 15(5):898-901
Sep 1967 381 J8223
Cattle, Ddt, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, Insecticide residues, Pesticide analysis, Tde.
Abstract

13565-68
NEW EXTRACTION SYSTEM FOR RESIDUE ANALYSES.
R R Schnorbus W F Phillips
J Agr Food Chem 15(4):661-666
Jul 1967 381 J8223
Carbamates, Chlorinated hydrocarbons, Chromatography, Extraction, Organophosphorus compounds, Pesticide analysis, Pesticide residues, Propylene carbonate, Urea compounds.
Abstract

13566-68
THE USE OF FOLSOMIA FIMETARIA AND DROSOPHILA MELANOGASTER AS TEST INSECTS FOR THE DETECTION OF INSECTICIDE RESIDUES.
N E A Scopes E P Lichtenstein
J Econ Entomol 60(6):1539-1541
Dec 1967 421 J822
Biological assay, Carbamates, Drosophila melanogaster, Folsomia fimetaria, Insect rearing, Insecticide residues, Organophosphorus compounds.
Abstract

13567-68
SEPARATION, IDENTIFICATION, AND MEASUREMENT OF DDT AND ITS METABOLITES.
M Siewierski K Helrich
Ass Offic Anal Chem J 50(3):627-633
Jun 1967 381 AS7
Chromatography, Ddt, Degradation, Infrared spectra, Insecticide residues, Metabolites, Pesticide analysis.

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UPTAKE, DISTRIBUTION, AND METABOLISM OF MONURON AND DIURON BY SEVERAL PLANTS.
J W Smith T J Sheets
J Agr Food Chem 15(4):577-581
Jul 1967 381 JR223
Carbon isotopes, Cotton, Decomposition, Diuron, Herbicide residues, Monuron, Plant metabolism, Radioactive tracers, Soybeans.
Abstract

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A RAPID SPECIFIC METHOD FOR THE GAS CHROMATOGRAPHIC DETERMINATION OF ORGANOPHOSPHATE PESTICIDES IN COLD PRESSED CITRUS OILS.
R K Stevens
Ass Offic Anal Chem J 50(6):1236-1242
Dec 1967 381 AS7
Chromatography, Citrus oils, Insecticide residues, Organophosphorus compounds, Pesticide analysis, Photometry, Thiophosphates.
Abstract

13570-68
PROBLEMS IN WHO ON PESTICIDE RESIDUES. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A PANEL VIENNA 12-16 APRIL 1965. SB953.P32.
A R Stiles
108-109 INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Culicidae, Ddt, Food contamination, Pesticide analysis, Water pollution.

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ADSORPTION OF BIPYRIDYLIUM HERBICIDES IN SOIL.
R V Tucker D E Pack J N Ospenson
J Agr Food Chem 15(6):1005-1008
Nov 1967 381 JR223
Adsorption, Diquat, Herbicide residues, Paraquat, Soils.
Abstract

13572-68
DISTRIBUTION OF HEPTACHLOR RESIDUES IN POND ECOSYSTEMS IN SOUTHWESTERN VIRGINIA.
W M Weatherholtz G W Cornwell R W Young R E Webb
J Agr Food Chem 15(4):667-670
Jul 1967 381 J8223
Ddt, Ecology, Heptachlor, Insecticide residues, Ponds.
Abstract

13573-68
REPORT ON HERBICIDES AND PLANT GROWTH REGULATORS.
G Yip
Ass Offic Anal Chem J 50(4):908-911
Aug 1967 381 AS7
Chromatography, Herbicide residues, Pesticide analysis, Plant regulators.

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FATE OF INSECTICIDE RESIDUES. DECOMPOSITION OF LINDANE IN SOIL.
W N Yule R Chiba R V Morley
J Agr Food Chem 15(6):1000-1004
Nov 1967 381 J8223
Chromatography, Decomposition, Insecticide residues, Lindane, Microorganisms, Soil contamination.
Abstract

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13575-68
METABOLISM OF 2-CHLORO-1-(2,4,5-TRICHLOROPHENYL)VINYL DIMETHYL PHOSPHATE IN THE DOG AND RAT.
D A A Akintonwa D R Hutson
J Agr Food Chem 15(4):632-637
Jul 1967 381 J8223
Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate, 2-, Decomposition, Dogs, Insecticides, Metabolism, Rats.
Abstract

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TOXIC HAZARDS FROM THE USE OF INSECTICIDES IN THE CONTROL OF AEDES AEGYPTI.
J M Barnes
World Health Organ Bull 36(4):623-624
1967 449.9 W892B
Aedes aegypti, Carbamates, Chemosterilants, Chlorinated hydrocarbons, Humans, Insecticides, Organophosphorus compounds, Toxicity.
Abstract

13577-68
FOOD AND HEALTH - THE SAFE USE OF PESTICIDES.
J M Barnes
Nat Agr Chem Ass News Pesticide Rev 26(1):3-7
Oct 1967 421 AG8
Accident prevention, Food supply, Pesticide residues, Public health, Toxicity.

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METABOLISM AND EXCRETION OF AN INSECTICIDE (6-CHLORO-3,4-DIMETHYLPHENYL N-METHYLCARBAMATE) IN THE RAT.
R L Baron J D Doherty
J Agr Food Chem 15(5):830-836
Sep 1967 381 J8223
Banol, Carbamates, Carbon isotopes, Chloro-3,4-dimethylphenyl N-methylcarbamate), (6-, Excreta, Insecticide residues, Metabolism, Radioactive tracers, Rats.
Abstract

13579-68
EFFECT OF ETHYLENE DIBROMIDE FUMIGATED FEED ON ANIMALS. SF97.B6.
A Bondi E Alumot
81 P. REF
1966
Calves, Chickens, Ethylene dibromide, Feed contamination, Fumigation, Livestock, Toxicity, Urine.

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TOXICITY EVALUATION OF A TECHNIQUE FOR INTRODUCING DIELDRIN INTO WATER.
G G Chadwick U Kiigemagi
Water Pollut Contr Fed J 40(1):76-82
Jan 1968 293.8 SP8
Dieldrin, Toxicity, Water pollution.

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STUDIES OF DNA, RNA, AND PROTEIN SYNTHESIS IN HELA S CELLS EXPOSED TO DDT AND DIELDRIN.
R A Chung I-Lo Huang R W Brown
J Agr Food Chem 15(3):497-500
May 1967 381 J8223
Cells, Ddt, Deoxyribonucleic acid, Dieldrin, Humans, Insecticide residues, Proteins, Ribonucleic acid, Toxicity.
Abstract

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ANATOMOPATHOLOGICAL STUDY OF LESIONS CAUSED BY INTRAMUSCULAR INJECTION OF HYDROCHLORIDE AND PROSPHATE COMPLEX OF TETRACYCLINE. (SP)
E Gallego Garcia
Oviedo Univ Fac Vet Leon An 12(12):191-211 REF
1966 41.9 OV4
Dogs, Rabbits, Tetracycline, Toxicity.
Spanish, French, English, and German summaries
Abstract

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ABSORPTION, METABOLISM, AND EXCRETION OF TRITIUM-LABELED FAMPHUR IN THE SHEEP AND CALF.
P E Gatterdam L A Wozniak M W Bullock G L Parks J E Boyd
J Agr Food Chem 15(5):845-853
Sep 1967 381 J8223
Calves, Excreta, Famphur, Insecticide residues, Metabolism, Radioactive tracers, Sheep, Systemic insecticides.
Abstract

13584-68
THE APPARENT BINDING OF DDT TO TISSUE COMPONENTS.
A Watanaka B D Hilton B D O'brien
J Agr Food Chem 15(5):854-857
Sep 1967 381 J8223
Blattidae, Chromatography, Ddt, Dichlorc-2,2-bis(p-chlorophenyl) ethylene, 1,1-, Radioactive tracers, Rats, Tetrachloro-2,2-bis(para-chlorophenyl)ethane, 1,1,1,2-, Tissues, Toxicity.
Abstract:
sephadex chromatography of tissne homogenates incubated with C-14-DDT provided apparent evidence of binding of DDT with cockroach nerve cord and rat liver, muscle, and brain.

13585-68
THE RETENTION OF TRIPHENYLTIN AND DIELDRIN AND ITS RELEVANCE TO THE TOXIC EFFECTS OF MULTIPLE DOSING. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A PANEL, VIENNA, 12-16 APRIL 1965. S953.P32.
O P Heath
18-26 INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Dieldrin, Laboratory animals, Triphenyl tin.

13586-68
HAZARDS OF HERBICIDE DRIFT.
R E Higgins
Agr Chem 23(2):43,46-47
Feb 1968 381 AG8
Accident prevention, D, 2,4-, Herbicides, Livestock, Spraying, Volatile substances.

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STUDIES ON EXPERIMENTAL POISONING OF AGRICULTURAL CHEMICALS IN DOGS. 1. EXPERIMENTAL POISONING OF LOWLY TOXIC RATICIDE IN DOGS. (JA)
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Jap Vet Med Ass J 20(11):462-465,468
1967 41.9 J275
Dogs, Poisoning, Rodenticides.

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DISPOSAL AND DECONTAMINATION OF AG CHEMICAL CONTAINERS.
T Hays
Aerial Appl 5(7):6-9
Jul 1967 333.8 AE8
Chemicals, Containers, Decontamination, Industrial wastes, Pesticides, Waste disposal.

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HERBICIDES AND THEIR TOXICITY TO LIVESTOCK.
I G McIntosh
New Zeal Vet J 15(4):70-73 REP
Apr 1967 41.8 N483
Herbicides, Livestock, Poisoning, Reviews, Toxicity.

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HISTOLOGICAL STUDIES OF TESTS IN RATS TREATED WITH CERTAIN INSECT CHEMOSTERILANTS.
H D Pate B L Hays
J Econ Entomol 61(1):32-34
Feb 1968 421 J822
Animal histology, Chemosterilants, Hydroxyurea, Rats, Testes, Triphenyltin acetate, Triphenyltin chloride.
Abstract

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VASOACTIVE PEPTIDES IN VENOMS.
J J Pisano
Fed Amer Soc Exp Biol Fed Proc 27(1):58-62 REP
Jan 1968 442.5 F31P
Hymenoptera, Minins, Peptides, Venoms.

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CONTACT AVICIDES. PATENT 3,340,142.
A J Reinert K E Cantrel
Us Patent Office Offic Gaz 842(1):290
05 Sep 1967 156.65 OF2
Absorption, Acetic acid, Avicides, Chloroacetic acid, Cyanohydrins, Patents, Phosphoric acid, Pigeons, Skin, Sparrows, Starlings, Wildlife pests.

13593-68
DYNAMICS OF ORGANOCHLORINE INSECTICIDES IN VERTEBRATES AND ECOSYSTEMS.
J Robinson
Nature 215(5096):33-35 REP
01 Jul 1967 472 N21
Chlorinated hydrocarbons, Ddt, Dieldrin, Ecology, Insecticides, Vertebrates.

13594-68
COMPARATIVE PHARMACOLOGY OF SOME ANIMAL TOXINS.
P E Russell
Fed Amer Soc Exp Biol Fed Proc 26(4):1206-1224 REP
Jul 1967 442.9 F31P
Animals, Arthropoda, Bee venom, Pharmacology, Toxins, Venoms.

13595-68
DDT-INDUCED METABOLIC CHANGES IN RAT LIVER.
E Sanchez
Can J Biochem 45(12):1809-1817 REP
Dec 1967 470 C16E
Ddt, Enzymes, Leucine, Liver, Metabolism, Proteins, Rats, Ribonucleic acid.
Abstract

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TOXICITY EVALUATION OF AIR POLLUTANTS BY USE OF LUMINESCENT BACTERIA.
W P Serat P E Rudinger P K Mueller
Atmos Environ 1(1):21-32
Jan 1967 TD881.A8
Acetal, Air pollution, Bacteria, Luminescence, Oxidation, Ozone, Photochemistry, Toxicity.
Abstract:
known photochemical oxidation products, ozone, NO2, formaldehyde, acetaldhyde, and PAN were examined individually. aldehydes did not appear to contribute to the decrease in luminescence but ozone and PAN did.

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METABOLISM OF C-14-ENDOTHALL IN RATS.
A Soo I Tinsley S C Fang
J Agr Food Chem 15(6):1018-1021
Nov 1967 381 J8223
Carbon isotopes, Feces, Herbicide residues, Metabolism, Radioactive tracers, Rats, Urine.
Abstract

13598-68
POSSIBLE REACTIONS FOR AFLATOXIN DETOXIFICATION.
W Trager L Stoloff
J Agr Food Chem 15(4):679-681
Jul 1967 381 J8223
Aflatoxin, Aspergillus flavus, Chromatography, Detoxification, Toxicity.
Abstract

13599-68
DISTRIBUTION AND EXCRETION OF DICAMBA BY RATS AS DETERMINED BY RADIOTRACER TECHNIQUE.
B Tye D Engel
J Agr Food Chem 15(5):837-840
Sep 1967 381 J8223
Carbon isotopes, Dicamba, Excreta, Herbicide residues, Metabolism, Radioactive tracers, Rats.
Abstract

13600-68
EFFECTS OF PESTICIDES ON OSMOREGULATORY ABILITY OF ESTUARINE FAUNA.
260:14
Jun 1967 156.2 C49
Crabs, Fish, Organophosphorus compounds, Osmosis, Pesticides, Shrimps.

13601-68
THE TOXICITY OF DIMETHYL 2-(ALPHA-METHYLBENZYLOXYCARBONYL)-1-METHYLVINYL PHOSPHATE (SHELL COMPOUND 4294) TO LIVESTOCK.
C P Weidenbach B L Younger
J Econ Entomol 55(5):793
Oct 1962 421 J822
Livestock, Phosphates, Shell compound 4294, Toxicology.

13602-68
RETENTION OF VAPORIZED LINDANE BY PLANTS AND ANIMALS.
D M Whitaker G W Ware
J Agr Food Chem 15(3):492-496
May 1967 381 J8223
Animals, Fish, Insecticide residues, Lindane, Plants, Toxicity, Vapors.
Abstract

13603-68
PROBLEMS IN FAO ON HUMAN AND ANIMAL INTOXICATION. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A PANEL VIENNA 12-16 APRIL 1965. SR953.P32.
P W Whittemore
106-107 INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Animals, Humans, Pesticide residnes.

13604-68
BIOCHEMICAL TOXICOLOGY.
R T Williams
Sci J 2(1):57-61
Jan 1966 Q1.S34
Biochemistry, Food additives, Humans, Pesticides, Poisoning, Toxicology.

13605-68
TOXICITY OF SOME GOLDENRODS.
E G Worthley C D Schott G A Rauptmann
Econ Bot 21(3):238-242 BEP
Jul 1967 450 EC7
Alkaloids, Flavonoids, Mice, Poisonous plants, Saponins, Solidago, Tannins.
Abstract

13606-68
GAS CHROMATOGRAPHIC MEASUREMENT OF DISAPPEARANCE RATES OF 2,4-D AND 2,4,5-T ACIDS AND 2,4-D ESTERS IN MICE.
W L Zielinski L Fishbein
J Agr Food Chem 15(5):841-844
Sep 1967 381 J8223
Chromatography, D, 2,4-, Decomposition, Herbicide residnes, Mice, T, 2,4,5-.
Abstract

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13607-68
EFFECT OF ENVIRONMENTAL AND BIOLOGICAL FACTORS ON PERSISTENCE OF MALATHION APPLIED AS ULTRA-LOW-VOLUME OR EMULSIFIABLE CONCENTRATE TO COTTON PLANTS.
T M Awad S B Vinson J B Brazzel
J Agr Food Chem 15(6):1009-1013
Nov 1967 381 J8223
Cotton, Emulsions, Formulations, Insecticide residues, Malathion, Metabolism, Persistence, Ultra low volnme application.
Abstract

13608-68
METABOLISM OF AMINO ACIDS IN AGROBACTERIUM TUMEFACIENS. III. UPTAKE OF L-PROLINE.
B M Behki
Can J Biochem 45(12):1819-1834 BEP
Dec 1967 470 C16E
Agrobacterinm tnmefaciens, Amino acids, Carbon isotopes, Plant metabolism, Proline, Radioactive tracers.
Abstract

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INFLUENCE OF DAYLENGTH ON AUXIN PRODUCTION IN FLOWER BUDS OF THE LOWBUSH BLUEBERRY.
W B Collins K B Irving
Can J Plant Sci 47(6):709-710
Nov 1967 450 C16
Blueberries, Gibberellic acid, Photoperiodism, Plant extracts, Plant regulators.

13610-68
TECHNIQUES USED IN THE APPLICATION OF A 14C LABELLED HERBICIDE. IN: ISOTOPES IN WEED RESEARCH; PROCEEDINGS OF A SYMPOSIUM, VIENNA, 25-29 OCTOBER 1965. S589.S9. (SP)
J J Costa B A Ghelfi E Q Brenzoni
9-16 INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Chenopodium, C14, Datnra ferox, Herbicide application, Radioactive tracers.
English summary
Abstract

13611-68
THE SELECTION OF A SOLVENT FOR USE WITH LOW VOLUME AERIAL SPRAYING OF COTTON PLANTS.
B B Coutts B B Parish
Arnsha Trop Pesticides Res Inst Misc Rep 611,4 P
Mar 1967 423.92 G7922
Cotton, Ddt, Low volnme application, Mineral oil, Particle size determination, Solvents, Spraying.
Toxic effects (scorching) cotton

13612-68
BIOSYNTHESIS OF NICOTINIC ACID BY FUSARIUM OXYSPORUM SCHLECHT.
D Desaty L C Vining
Can J Biochem 45(12):1953-1959 BEP
Dec 1967 470 C16E
Fungns diseases (plants), Fusarinm oxysporum, Nicotinic acid, Plant biochemistry.
Abstract

13613-68
THE EFFECT OF VARIOUS NITROGEN SOURCES ON GROWTH OF BOTRYOSPHAERIA RIBIS IN VITRO. (ABSTRACT).
C B Drake L D Moore
Phytopathology 57(7):645
Jnl 1967 464.8 P56
Botryosphaeria ribis, Growth factors, Nitrogen.

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PROCESS FOR PLANT DEFOLIATION. PATENT 3,359,092.
M L Dunham Jr F M O'Connor
Us Patent Office Offic Gaz 845(3):1069
19 Dec 1967 156.65 OF2
Defoliation, Ethylene, Patents.

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STUDIES ON THE REGULATION OF CELLULASE ACTIVITY AND GROWTH IN EXCIZED PEA EPICOTYL SECTIONS.
D F Fan G A Maclachlan
Can J Bot 45(10):1837-1844 REF
Oct 1967 470 C16C
Cellulase, Enzymes, Indoleacetic acid, Peas, Plant physiology, Plant regulators.
Abstract

13616-68
EFFECT OF ALAR ON WINTERHARDINESS OF RASPBERRIES.
E L Granger E J Hogue
Can J Plant Sci 48(1):100-102
Jan 1968 450 C16
Plant hardiness, Raspberries, Succinic acid, 2,2-dimethylhydrazide.

13617-68
PROTEINS AND CATALASE ISOENZYMES FROM FUSARIUM SOLANI AND THEIR TAXONOMIC SIGNIFICANCE.
E Ball
Australian J Biol Sci 20(2):419-428 REF
Apr 1967 442.8 AU72
Catalase, Coenzymes, Electrophoresis, Fusarium solani, Plant taxonomy, Proteins.
Abstract

13618-68
EFFECT OF GIBBERELLIN ON THE FREE AUXIN CONTENT IN THE PERIOD OF SPIKE DIFFERENTIATION OF BARLEY. (KO)
H B Im C J Sin
Seoul Univ J Biol Agr Ser (1) 17:111-117 REF
Sep 1966 442.9 SO84
Barley, Gibberellins, Indoleacetic acid, Plant regulators.
English summary
Abstract

13619-68
HEAT-LABILE GROWTH-INHIBITING FACTORS IN BEANS (PHASEOLUS VULGARIS).
W G Jaffe I Vega Lette
J Nutr 94(2):203-210 REF
Feb 1968 389.8 J82
Beans, Biochemistry, Plant growth inhibitors.
Abstract

13620-68
THE EFFECTS OF INDOLEACETIC ACID AND 2,4-DICHLORO-PHENOXYACETIC ACID ON INTERMEDIARY METABOLISM OF 14C-LABELLED ORGANIC ACIDS BY PEA ROOT TIPS.
W K Kim R G S Bidwell
Can J Bot 45(10):1789-1796 REF
Oct 1967 470 C16C
Acetic acid, Carbon isotopes, D, 2,4-, Glutamic acid, Indoleacetic acid, Peas, Plant metabolism, Pyruvic acid, Radioactive tracers, Succinic acid.
Abstract

13621-68
SHIFTS IN OXIDATIVE METABOLISM DURING PATHOGENESIS. IN: MIROCHA, C. J., AND URITANI,I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SB611.C6.
J Kuc
183-202 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Oxidation, Plant disease resistance, Plant metabolism.

13622-68
BIOCHEMICAL INVESTIGATIONS INTO THE EFFECT OF DDT ON BARLEY.
P D Lawler L J Rogers
Biochem J 103(2):44P
May 1967 382 B52
Barley, Ddt, Plant biochemistry.

13623-68
CHEMICAL AND PHYSICAL NATURE OF PLANT CUTICLES IN RELATION TO THE DEPOSITION AND PENETRATION OF PESTICIDES. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A PANEL, VIENNA, 12-16 APRIL 1965 SB953. P32.
J T Martin
59-66 REF INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Cutin, Pesticide analysis, Pesticide residues, Waxes.

13624-68
ISOLATION OF A NOVEL AUXIN, METHYL 4-CHLOROINDOLEACETATE FROM IMMATURE SEEDS OF PISUM SATIVUM.
S Marumo H Abe R Hattori K Munakata
Agr Biol Chem 32(1):117-118
Jan 1968 385 AG8B
Peas, Plant regulators, Seeds.

13625-68
METABOLIC SHIFTS DURING INFECTION. III. CARBON DIOXIDE FIXATION IN THE DARK AS A NUTRITIONAL FACTOR IN PARASITISM. IN: MIROCHA, C. J., AND URITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GAMAGORI, JAPAN. SB611.C6.
C J Mirocha P D Rick
121-143 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Carbon dioxide, Host specificity, Parasitism, Plant metabolism, Plant nutrition.

13626-68
EFFECT OF BENZIMIDAZOLE AND KINETIN ON THE NICOTINAMIDE NUCLEOTIDE CONTENT OF SENESCING WHEAT LEAVES.
D Mishra R R Waygood
Can J Biochem 46(2):167-178 REF
Feb 1968 470 C16E
Benzimidazole, Kinetin, Nicotinamide, Nucleotides, Plant senescence, Wheat.
Abstract

13627-68
DERIVATIVES OF (+)-LIMONENE. DETECTION AND TRANSLOCATION OF QUATERNARY AMMONIUM PLANT GROWTH RETARDANTS IN YOUNG GRAPEFRUIT AND BEAN SEEDLINGS.
W F Newhall A P Pieringer
J Agr Food Chem 15(3):488-491
May 1967 381 J8223
Ammonium compounds, Chromatography, Limonene, Pesticide analysis, Pesticide residues, Plant growth inhibitors, Plant translocation, Quaternary ammonium compounds.
Abstract

13628-68
DEGRADATION OF AROMATIC AMINO ACIDS BY FUNGI. II. PURIFICATION AND PROPERTIES OF PHENYLALANINE AMMONIA-LYASE FROM USTILAGO HORDEI.
P V S Rao K Moore G R N Towers
Can J Biochem 45(12):1863-1872 REF
Dec 1967 470 C16E
Amino acids, Degradation, Enzymes, Fungus diseases (plants), Plant metabolism, Ustilago hordei.
Abstract

13629-68
POSSIBLE APPEARANCE OF DEGRADATION PRODUCTS OF PARAQUAT IN CROPS. IN: ISOTOPES IN WEED RESEARCH; PROCEEDINGS OF A SYMPOSIUM, VIENNA, 25-29 OCTOBER 1965. S589.S9.
P Slade
113-123 INTERNATIONAL ATOMIC ENERGY AGENCY
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Degradation, Herbicides, Isotopes, Paraquat, Plant injuries, Vegetables.
Abstract

13630-68
FATTY ALCOHOL INHIBITION OF TOBACCO AUXILIARY AND TERMINAL BUD GROWTH.
G L Steffens T C Tso D W Spaulding
J Agr Food Chem 15(6):972-975
Nov 1967 381 J8223
Alcohols, Desuckering, Plant growth inhibitors, Plant regulators, Suckers, Tobacco.
Abstract

13631-68
EVALUATION OF REGROWTH POTENTIAL OF PERENNIAL FORAGE CROPS USING TRIPHENYLTETRAZOLIUM CHLORIDE.
M Suzuki
Can J Plant Sci 48(1):113
Jan 1968 450 C16
Forage plants, Plant regulators, Triphenyltetrazolium chloride.

13632-68
DISTRIBUTION AND CONCENTRATION OF HCN IN A SORGHUM-SUDAN-GRASS HYBRID.
D D Wolf W W Washko
Agron J 59(4):381-382

Jan 1967 4 AM34P
Hydrocyanic acid, Plant breeding, Sorghum,
Sorghum vulgare sudanense.

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THE NEW FLORISIL: A STATISTICAL EVALUATION FOR CHLORINATED PESTICIDES.
H Beckman K Carroll et. al.
Ass Offic Anal Chem J 50(6):1251-1257
Dec 1967 381 AS7
Chlorinated hydrocarbons, Crops, Florisil PR, Insecticide residues, Pesticide analysis, Programming (computers), Statistical analysis.
Abstract:
a computer program was used to analyze and compare the data in this multi-laboratory study. in evalnating the new Florisil PR data indicated the least amount of variation was associated with differences between Florisil PR batches.

13634-68
PURIFICATION OF A PROTEIN FROM BACILLUS THURINGIENSIS TOXIC TO LARVAE OF LEPIDOPTERA.
K E Cooksey
Biochem J 106(2):445-454 BEF
Jan 1968 382 B52
Bacillus thuringiensis, Biological assay, Caterpillars, Pieris brassicae, Proteins, Toxins.

13635-68
TASTE PREFERENCES IN RODENTICIDE DEVELOPMENT.
P R Cornwell J O Rnll
Pest Contr 35(8):15,16,18,20,64,66
Aug 1967 449.8 EX8
Baits, Feed grains, Poisoning, Rats, Rattus norvegicus, Rodenticides, Taste, Warfarin.

13636-68
THE FORMATION OF AFLATOXIN DERIVATIVES.
E V Crisan A T Grefig
Boyce Thompson Inst Contrib 24(1):3-8 BEF
Oct 1967 451 B69
Aspergillus flavus, Assay, Chromatography, Synthesis.

13637-68
GAS CHROMATOGRAPHIC ANALYSIS OF THE INSECT ATTRACTANT CUE-LURE AND RELATED COMPOUNDS.
R E Doolittle M Beroza
J Econ Entomol 61(1):21-23
Feb 1968 421 J822
Attractants, Chromatography, Cue-lure, Dacus cucurbitae, Pesticide analysis.
Abstract

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RUSSIAN DRUG INDEX. ED. 2. RS91 .J3.
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Antibiotics, Drugs, Indexes, Pesticides.

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Activated sludge, Carcinogens, Herbicides, Pesticides.

13640-68
SUBSTITUTED NORBORNENE HERBICIDES. PATENT 3,324,147.
V Mark
Us Patent Office Offic Gaz 839(1):301
06 Jun 1967 156.65 OF2
Chemical control (weeds), Halogenated hydrocarbons, Herbicides, Norbornene, Patents, Weed control.

13641-68
PESTICIDAL HALOCYCLOPENTADIENE ADDUCTS. PATENT 3,356,688.
V Mark
Us Patent Office Offic Gaz 845(1):295
05 Dec 1967 156.65 OF2
Halocyclopentadienes, Patents, Pesticides.

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STREPTONIGRIN ANTIBIOTICS AND PROCESS FOR THEIR PRODUCTION. PATENT 3,372,090.
W S Marsh A L Garretson K V Rao
Us Patent Office Offic Gaz 848(1):198
05 Mar 1968 156.65 OF2
Antibiotics, Bactericides, Microorganisms, Patents, Streptomyces lottropensis, Streptomyces floccnlus, Streptomyces fungicidus, Streptonigrin.

13643-68
SOME EFFECTS OF MOLECULAR STRUCTURE UPON ANTICHOLINESTERASE AND INSECTICIDAL ACTIVITY OF SUBSTITUTED PHENYL N-METHYLCARBAMATES.
R L Metcalf T R Fukuto
J Agr Food Chem 15(6):1022-1029
Nov 1967 381 J8223
Carbamates, Cholinesterases, Insecticides, Phenolases, Phenyl N-methylcarbamates.
Abstract

13644-68
ANTIBIOTIC CIROLEROSUS AND PROCESS FOR PRODUCING THE SAME. PATENT 3,345,262.
C E Meyer E K Bhuyan
Us Patent Office Offic Gaz 843(1):256
03 Oct 1967 156.65 OF2
Absorption spectra, Aerobic Bacteria, Antibiotics, Bacteria, Circlercsus, Molecular weight, Patents, Properties, Streptomyces bellns.

13645-68
DETERMINATION OF PIPERONYL BUTOXIDE BY GAS CHROMATOGRAPHY.
W K Miller C Tweet
J Agr Food Chem 15(5):931-934
Sep 1967 381 J8223
Chromatography, Insecticide synergists, Piperonyl butoxide, Pyrethrum.
Abstract

13646-68
ASCENDING PAPER CHROMATOGRAPHY: A WAY TO DO IT.
L C Mitchell
Ass Offic Anal Chem J 40(4):999-1029
15 Nov 1957 381 AS7
Chromatography, Ddt, Food analysis, Food contamination, Pesticide analysis.

13647-68
HERBICIDAL COMPOSITION AND METHOD EMPLOYING SUBSTITUTED CARBANILATES. PATENT 3,333,947.
B P Neighbors
Us Patent Office Offic Gaz 841(1):222
01 Aug 1967 156.65 OF2
Carbanilates, Chemical control (weeds), Cyclopropyl carbanilates, Herbicides, Patents.

13648-68
SUBSTITUTED CARBANILATE HERBICIDES. PATENT 3,334,130.
B P Neighbors
Us Patent Office Offic Gaz 841(1):265
01 Aug 1967 156.65 OF2
Carbanilates, Chemical control (weeds), Herbicides, Patents, Substituted cyclopropyl carbanilates.

13649-68
PREPARATION AND BIOLOGICAL ACTIVITY OF THE ISOMERS OF DIMETHYL-1,3-DICARBOMETHOXY-1-PROPEN-2-YL PHOSPHATE (BOMYL).
P E Newallis F Lombardo E E Gilbert E Y Spencer A Morello
J Agr Food Chem 15(5):940-942
Sep 1967 381 J8223
Cholinesterases, Dimethyl 3-hydroxyglutaconate dimethyl phosphate, Insecticides, Isomers, Organophosphorus compounds, Synthesis, Toxicity.
Abstract

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HERBICIDAL COMPOSITION AND METHOD. PATENT 3,345,151.
J F Clin
Us Patent Office Offic Gaz 843(1):232
03 Oct 1967 156.65 OF2
Anilides, Chemical control (weeds), Herbicides, Patents.

13651-68
SYNTHESIS, BIOLOGICAL ACTIVITIES, AND PROPERTIES OF THE SYN AND ANTI EXO-3-CHLORO-ENDO-6-CYANO-2-NORBORNANONE O-METHYLCARBAMOYL)OXIMES. ABSOLUTE STRUCTURE OF TRANID MITICIDE.

L K Payne H W Stollings C B Strow
J Agr Food Chem 15(5):883-887
Sep 1967 381 J8223
Acaricides, Insecticides, Isomers, Methylcarbamoyl)-oximes, O-(, Properties, Synthesis, Tranid.
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13652-68
METHOD FOR COMBATING INSECTS WITH 5-FORMAMIDO-1-NAPHTHYL N-METHYLCARBAMATE. PATENT 3,323,989.
L K Payne
Us Patent Office Offic Gaz 839(1):266
06 Jun 1967 156.65 OF2
Chemical control (insects), Formamido-1-napthyl N-methylcarbamate, 5-, Insecticides, Patents.

13653-68
IDENTIFICATION OF THE ALDRIN METABOLITE.
Pearson P D Aldrich A W Stone
J Agr Food Chem 15(5):938-939
Sep 1967 381 J8223
Aldrin, Chromatography, Coulometers, Pesticide analysis, Sulfur.
Abstract

13654-68
DETERMINATION OF RESIDUES OF CHLORONEB AND A METABOLITE BY MICROCODLOMETRIC GAS CHROMATOGRAPHY.
B L Pease
J Agr Food Chem 15(5):917-919
Sep 1967 381 J8223
Chloroneb, Chromatography, Fungicide residues, Metabolites, Pesticide analysis.
Abstract

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SEPARATION OF AFLATOXINS BY TWO-DIMENSIONAL THIN-LAYER CHROMATOGRAPHY.
R E Peterson A Ciegler
J Chromatography 31(1):250-254
Nov 1967 475 J824
Aflatoxin, Chromatography.

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FUNGICIDAL N-SUBSTITUTED DERIVATIVES OF HALOGENATED. SALICYLIDENEIMINES. PATENT 3,357,883.
D Pillon R Pacheco L Cronenberger
Us Patent Office Offic Gaz 845(2):690
12 Dec 1967 156.65 OF2
Fungicides, Patents, Salicylideneimines, halogenated.

13657-68
AMITROLE DECOMPOSITION BY FREE RADICAL-GENERATING SYSTEMS AND BY SOILS.
J R Plimmer P C Kearney D D Kaufman F S Guardia
J Agr Food Chem 15(6):996-999
Nov 1967 381 J8223
Amitrole, Carbon isotopes, Decomposition, Free radical systems, Radioactive tracers, Soils.
Abstract

13658-68
ANTIBIOTIC PRODUCT AND PROCESS OF PRODUCING SAME. PATENT 3,328,248.
K V Rao W S Marsh R W Benn
Us Patent Office Offic Gaz 839(4):1548
27 Jun 1967 156.65 OF2
Absorption spectra, Drugs, Methanol, Microanalysis, Patents, Pyridine.
Crystalline product of a 1:3 mixture

13659-68
INSECTICIDAL AND FUNGICIDAL USAGE OF BETA-ARYLAMINO CINNAMOYL COMPOUNDS. PATENT 3,355,351.
K W Watts
Us Patent Office Offic Gaz 844(4):1455
28 Nov 1967 156.65 OF2
Arylamino cinnamoyl, beta-, compounds, Chemical control (insects), Culicidae, Fungicides, Insecticides, Larvae, Patents.

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DERIVATIVES OF PYRIDAZONE AND A METHOD FOR THEIR USE AS HERBICIDES. PATENT 3,360,357.
P Reicheneder P Winter A Fischer K Dury
Us Patent Office Offic Gaz 845(4):1457
26 Dec 1967 156.65 OF2
Chemical control (weeds), Herbicides, Patents, Pyridazones.

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PYRIDAZONE DERIVATIVES AND THEIR USE AS HERBICIDES.
PATENT 3,341,317.
F Reicheneder F Winter A Fischer
Us Patent Office Offic Gaz 842(2):652
12 Sep 1967 156.65 OF2
Chemical control (weeds), Herbicides, Patents, Pyridazones.

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PYRIDAZONE DERIVATIVES AND HERBICIDAL COMPOSITIONS CONTAINING THEM. PATENT 3,323,893.
F Reichereder K Dury A Fischer
Us Patent Office Offic Gaz 839(1):245
06 Jun 1967 156.65 OF2
Chemical control (weeds), Herbicides, Patents, Pyridazones.

13663-68
HERBICIDAL COMPOSITIONS. PATENT 3,333,943.
S B Richter A A Levin
Us Patent Office Offic Gaz 841(1):222
01 Aug 1967 156.65 OF2
Chemical control (weeds), Chlorinated hydrocarbons, Herbicides, Patents.

13664-68
HERBICIDAL COMPOSITION AND METHOD. PATENT 3,343,938.
S B Richter A A Levin
Us Patent Office Offic Gaz 842(4):1451
26 Sep 1967 156.65 OF2
Chemical control (weeds), Halogenated hydrocarbons, Herbicides, Patents, Phthalic compounds.

13665-68
HERBICIDAL COMPOSITION AND METHOD. PATENT 3,345,157.
S B Richter
Us Patent Office Offic Gaz 843(1):233
03 Oct 1967 156.65 OF2
Chemical control (weeds), Herbicides, Methoxy-3,6-dichloro-5-aminobenzoic acid, 2-, Patents.

13666-68
HERBICIDAL COMPOSITION AND METHOD. PATENT 3,333,946.
S B Richter A A Levin
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01 Aug 1967 156.65 OF2
Chemical control (weeds), Herbicides, Patents, Thiobenzoic acids.

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THE GAS CHROMATOGRAPHIC DETERMINATION OF ORGANOPHOSPHORUS PESTICIDES. II. A COMPARATIVE STUDY OF HYDROLYSIS RATES.
J R Ruzicka J Thomson B R Wheals
J Chromatography 31(1):37-47 REF
Nov 1967 475 J824
Chromatography, Hydrolysis, Organophosphorus compounds.

13668-68
TRIOL-PHOSPHORIC ACID ESTERS FUNGITOXIC AGENTS.
PATENT 3,357,882.
H Scheinpflug H F Jung G Schrader
Us Patent Office Offic Gaz 845(2):689
12 Dec 1967 156.65 OF2
Fungicides, Patents, Phosphorothioic acid compounds.

13669-68
BIOCIDAL QUATERNARY AMMONIUM SULFAMATES. PATENT 3,344,018.
W J Shibe Jr M Sittenfield
Us Patent Office Offic Gaz 842(3):1468
26 Sep 1967 156.65 OF2
Ammonium compounds, Microorganisms, Patents, Pesticides, Quaternary ammonium compounds, Sulfamates.

13670-68
FUNGICIDAL COMPOSITIONS AND METHODS. PATENT 3,345,258.
H A Sidles
Us Patent Office Offic Gaz 843(1):255
03 Oct 1967 156.65 OF2
Chemical control (plant diseases), Fungicides, Patents.

13671-68
PHARMACEUTICAL COMPOSITIONS AND METHODS UTILIZING 2-AMINOADAMANTANE AND ITS DERIVATIVES. PATENT 3,328,251.
G W Smith
Us Patent Office Offic Gaz 839(4):1549
27 Jun 1967 156.65 OF2
Aminoadamantane, 2-, Animals, Drugs, Patents, Virucides.

13672-68
SOME EFFECTS OF ORALLY ADMINISTERED RUELENE ON HOST SHEEP AND TWO ECTOPARASITES: THE YELLOW-FEVER MOSQUITO AND THE ROCKY MOUNTAIN WOOD TICK.
H G Smith R L Goulding
J Econ Entomol 61(1):292-297 REF
Feb 1968 421 J822
Aedes aegypti,
Butyl-2-chlorophenyl methyl methylphosphoramidate, 4-tert-,
Cholinesterases, Dermacentor andersoni, Sheep.
Abstract

13673-68
ANTIVIRAL ANTIBIOTIC FROM TRICHODERMA TODICA AND METHOD OF PRODUCING SAME. PATENT 3,323,996.
B Sokoloff Y Toda
Us Patent Office Offic Gaz 839(1):267
06 Jun 1967 156.65 OF2
Antibiotics, Influenza viruses, Patents, Trichoderma todica, Virucides.

13674-68
DETERMINATION OF CARBARYL AND SOME OTHER CARBAMATES BY GAS CHROMATOGRAPHY.
L J Sullivan J M Eldridge J B Knaak
J Agr Food Chem 15(5):927-930
Sep 1967 381 J8223
Carbamates, Carbaryl, Carbon isotopes, Chromatography, Insecticide residues, Pesticide analysis, Radioactive tracers.
Abstract

13675-68
COMPOSITIONS AND METHODS OF USE OF DIHALOGENATED ALKANE AMIDES. PATENT 3,332,845.
A R Surrey
Us Patent Office Offic Gaz 840(4):1281
25 Jul 1967 156.65 OF2
Alkane amides, dihalogenated, Amebicides, Amides, Antibiotics, Patents.

13676-68
PHOSPHORUS CONTAINING PESTICIDAL COMPOSITION AND METHOD OF USE. PATENT 3,336,188.
H Tolkmith H O Senkbeil
Us Patent Office Offic Gaz 841(3):916
15 Aug 1967 156.65 OF2
Fungicides, Organophosphorus compounds, Patents.

13677-68
QUATERNARY AMMONIUM XANTHATES. PATENT 3,324,134.
R L Wakeman E G Shay S Steinberger
Us Patent Office Offic Gaz 839(1):298
06 Jun 1967 156.65 OF2
Alkyl isoquinolinium dodecyldithiocarbonate,
Ammonium compounds, Microorganisms, Patents,
Quaternary ammonium compounds, Quaternary ammonium xanthates,
Staphylococcus aureus.

13678-68
PROCESS FOR CONTROLLING FUNGI WITH ANTHRAQUINONE DERIVATIVES. PATENT 3,326,750.
H Weidinger E R Pommer R Eilingsfeld
Us Patent Office Offic Gaz 839(3):1111
20 Jun 1967 156.65 OF2
Anthraquinones, Fungicides, Patents.

13679-68
CYCLOPENTADIENYLIMINES MICROBICIDE. PATENT 3,328,242.
E D Weil
Us Patent Office Offic Gaz 839(4):1547
27 Jun 1967 156.65 OF2
Chemical control (plant diseases), Cyclopentadienylimines, Microorganisms, Patents, Pesticides, Plant disease control.

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METHOD OF CONTROLLING MICROBES BY MEANS OF TETRAHALOCYCLOPENTADIENYLDIAMINES. PATENT 3,341,405.
E D Weil
Us Patent Office Offic Gaz 842(2):672
12 Sep 1967 156.65 OF2
Bactericides, Chemical control (plant diseases), Diamino-1,2,3,4-tetrahalocyclopentadiene, 5,5-, Fungicides, Patents, Tetrahalocyclopentadienyldiamines.

13681-68
HERBICIDAL METHOD EMPLOYING TRICHLOROBENZYLOXYALKYL ESTERS OF CHLORINATED ALIPHATIC ACIDS. PATENT 3,338,703.
E D Weil J Linder E Dorfman J S Newcomer
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Chemical control (weeds), Chlorinated aliphatic acids, Herbicides, Patents, Trichlorobenzyloxyalkyl ester.

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SULFUR-CONTAINING CARBAMATE INSECTICIDES. PATENT 3,349,115.
E D Weil R I Schlichting
Us Patent Office Offic Gaz 843(4):1467
24 Oct 1967 156.65 OF2
Carbamates, Chemical control (insects), Insecticides, Patents, Sulfur compounds.

13683-68
METHOD OF CONTROLLING PLANT GROWTH. PATENT 3,336,131.
E D Weil J Linder E Dorfman
Us Patent Office Offic Gaz 841(3):902
15 Aug 1967 156.65 OF2
Benzyl ketones, Chemical control (weeds), Herbicides, Patents.

13684-68
THE DEVELOPMENT AND APPLICATION OF PESTICIDE ANALYSIS METHODS. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES: PROCEEDINGS OF A PANEL VIENNA 12-16 APRIL 1965. SB953.R32.
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Methodology, Pesticide analysis, Radioisotopes.

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METHOD AND COMPOSITION FOR CONTROLLING FUNGI.
PATENT 3,323,984.
G F Willsey
Us Patent Office Offic Gaz 839(1):265
06 Jun 1967 156.65 OF2
Fungicides, Halogenated acetone, Patents.

13686-68
PESTICIDAL WETTABLE POWDER FORMULATION. PATENT 3,342,581.
F E Woodward A Stefcik
Us Patent Office Offic Gaz 842(3):1047
19 Sep 1967 156.65 OF2
Formulations, Patents, Pesticides, Sulfonic acids, Surface-active agents, Wettable powders.

13687-68
METHOD FOR COMBATING MICROORGANISMS WITH AN ALKYL SUBSTITUTED OXAZOLINE. PATENT 3,366,537.
C Woolf
Us Patent Office Offic Gaz 846(5):1570
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Formulations, Microorganisms, Oxazolines, Patents, Staphylococcus aureus.

13688-68
METHOD OF PRODUCING AN ANTIBIOTIC QUINOMYCIN B.
PATENT 3,332,843.
T Yoshida
Us Patent Office Offic Gaz 840(4):1281
25 Jul 1967 156.65 OF2
Antibiotics, Isoleucine, Patents, Quinomycin B, Streptomyces.

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13689-68
AGRICULTURAL FIXED-WING AIRCRAFT SURVEY.
Agr Aviation 9(3):86-90
Jul 1967 333.8 AG8
Aerial spraying, Aircraft.

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A POCT-CONTROLLED DEVICE USING CARBON DIOXIDE FOR THE ANESTHETIZATION OF INSECTS.
T R Adkins
J Econ Entomol 61(1):340-341 BEP
Feb 1968 421 J822
Anesthetics, Carbon dioxide, Equipment, Insects.

13691-68
NICKEL-63 FOIL IN A STANDARD CONCENTRIC CELL FOR ELECTRON-CAPTURE DETECTION.
A W Ahren W F Phillips
J Agr Food Chem 15(4):657-660
Jul 1967 381 J8223
Chromatography, Electron capture, Nickel, Pesticide analysis, Pesticide residues.
Abstract

13692-68
AERA CARTRIDGE-TYPE ASPIRATORS.
W W Barnes J W Southwick
Mosquito News 27(2)521-522
Dec 1967 421 M85
Aspirators, Insect traps.

13693-68
A FLAIL MACHINE FOR DESTROYING FALLEN COTTON SQUARES INFESTED WITH BOLL WEEVILS.
E C Burt E P Lloyd D R Smith
J Econ Entomol 61(1):1-3
Feb 1968 421 J822
Anthonomus grandis, Cotton, Equipment.
Abstract

13694-68
HOW WE MODIFIED A BACK PACK SPRAYER FOR ULV INSECTICIDE APPLICATIONS.
A W Buzicky
Pest Contr 35(6):42,44,46
Jun 1967 449.8 EX8
Aedes vexans, Culicidae, Insecticides, Spraying, Spraying equipment, Ultra low volume application.

13695-68
LOW VOLUME SPRAYING SUPERIOR, LESS EXPENSIVE FOR PLANES IN BAKERSFIELD, CALIFORNIA, DISTRICT.
A F Geib
Pest Contr 35(12):22,24,26
Dec 1967 449.8 EX8
Aerial spraying, Ethyl parathion, Low volume application, Pesticide application.

13696-68
A VERSATILE, HIGHLY SENSITIVE ACTIVITY RECORDER FOR INSECTS.
J R Grobbelaar G J Morrison E E Baart V C Moran
J Insect Physiol 13(12):1843-1848 BEP
Dec 1967 421 J825
Equipment, Insects, Locomotion.
Capacitance sensitive recorder for insects varying in size from cockroaches to thrips.
Abstract

13697-68
THE INDUSTRY IN JAPAN.
M Iwata
Agr Aviation 9(2):49
Apr 1967 333.8 AG8
Aerial spraying, Aircraft, Japan.

13698-68
A DEVICE FOR EXAMINING LARGE INSECT TRAPS.
R L Lambert E T Wilson
J Econ Entomol 61(1):324-326

Feb 1968 421 J822
Adelges piceae, Insect traps.
A cage-surface scanning device: Base, lateral and longitudinal carriages, and mount for binocular microscope.

13699-68
A PRESSURE PAINT TANK MODIFIED FOR USE AS A DISPENSER FOR INSECT DIETS.
R Patana
J Econ Entomol 60(6):1755-1756
Dec 1967 421 J822
Equipment, Insect nutrition.

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A MECHANICAL HARVESTER FOR COLLECTING LARVAE OF THE WHEAT STEM SAWFLY.
L K Peterson H J Bergen H McKenzie
Can J Plant Sci 48(1):109-110
Jan 1968 450 C16
Cephus cinctus, Harvesting equipment, Larvae.
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AIRCRAFT IN THE AGRICULTURE AND FORESTRY OF COMMUNIST CHINA.
H E Perch
Agr Aviation 5(3):60-84
Jul 1967 383.8 AG8
Aerial pest control, Aerial spraying, Agronomy, Aircraft, China, Forestry.

13702-68
ANALYSIS OF SPRAY DEPOSITS ON CARDS DYED WITH SUDAN BLACK BR: THEIR PREPARATION AND USE.
F E Skoog F T Cowan
J Econ Entomol 61(1):40-43
Feb 1968 421 J822
Dyes, Malathion, Particle size determination, Pesticide application, Spraying.
Abstract

13703-68
FLUOROGLIDE AS A BARRIER TO CONTAIN NONFLYING INSECTS IN GLASS CONTAINERS.
R H Storch
J Econ Entomol 61(1):335-336
Feb 1968 421 J822
Coccinella septempunctata, Coccinellidae, Experimental insects, Fluorocarbon resins, Insect rearing equipment.

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13704-68
PEST CONTROL'S 7TH ANNUAL INDUSTRY ECONOMIC FORECAST FAST TRACK FOR '68.
Pest Contr 35(12):13-15,32,34
Dec 1967 449.8 EX8
Economics, Industry, Pest control, Pest control operators, Production economics, Rodent control.

13705-68
PESTICIDE PROGNOSIS.
J L Poland
Agr Chem 22(7):37-38
Jul 1967 381 AG8
Agricultural financial outlook, Marketing research, Pesticides.

Education

13706-68
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H D Pratt D D Bonnet
Calif Mosquito Contr Ass Proc Pap 35:107-108
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Aedes aegypti, Eradication, Insect control, Malaria, Training.

13707-68
FLORIDA CHEMICAL COMMUNICATION PILOT PROJECT.
C T Woods
Agr Chem 22(11):31-33
Nov 1967 381 AG8
Accident prevention, Education, Pesticides, Poisoning.

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13708-68
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Nat Agr Chem Ass News Pesticide Rev 26(1):11
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Agricultural regulation, Government, Pest control, Pesticide application.

ABDOMEN
The effects of acetylcholine at the synaptic and somatic levels in the case of the last abdominal ganglion of the cockroach Periplaneta americana. 13020

ABIES
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ABIPHIS VIETTI
A new Hemirrhipinae from Madagascar: Abiphis viettei n. sp. (Col. elateridae). 12951

ABSORPTION
Absorption of organochlorine insecticide residues from agricultural soils by root crops. 13544

Contact avicides. patent 3,340,142. 13592

ABSORPTION (BIOLOGICAL)
Factors affecting the resistance of insect eggs to sulphuryl fluoride. i. the uptake of sulphuryl-35S fluoride by insect eggs. 13103

ABSORPTION SPECTRA
Antibiotic cirolerosus and process for producing the same. patent 3,345,262. 13644

Antibiotic product and process of producing same. patent 3,328,248. 13658

ACALYMMA VITTATUM
Mass rearing banded cucumber beetles, with notes on rearing spotted and striped cucumber beetles. 13027

ACARICIDES
Use of pesticides in selective manners. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13322

Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornanone O-methylcarbamoyl)oximes. absolute structure of tranid miticide. 13651

ACCIDENT PREVENTION
Food and health - the safe use of pesticides. 13577

Hazards of herbicide drift. 13586

Florida chemical communication pilot project. 13707

ACETAL
Toxicity evaluation of air pollutants by use of luminescent bacteria. 13596

ACETATES
Fatty acid composition of the diet and larvae and biosynthesis of fatty acids from 14C-acetate in the cabbage looper, Trichoplusia ni. 13098

Feeder lamb response to cortisone acetate and diethylstilbestrol. 13420

ACETIC ACID
Contact avicides. patent 3,340,142. 13592

The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of 14C-labelled organic acids by pea root tips. 13620

ACETIC ANHYDRIDE
Reactivity of tobacco mosaic virus and its protein toward acetic anhydride. 13228

ACETYLCHOLINE
The effects of acetylcholine at the synaptic and somatic levels in the case of the last abdominal ganglion of the cockroach Periplaneta americana. 13020

ACHAEA JANATA
New records of hymenopterous parasites from Achaea janata Linn (Lepidoptera: Noctuidae), a serious pest of castor, (Ricinus communis). 13343

ACHETA DOMESTICUS
Insecticide hormoligosis. 13086

ACHROIA GRISELLA
Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with Bakthane L-69. 13489

ACRIDIDAE
Review and preliminary diagnosis of some Pamphagidae and Acrididae from Iran (Orth. acridoidea). 12946

ACTIVATED SLUDGE
Resistance of carcinogenic organic compounds to oxidation by activated sludge. 13639

ACUARIA SPIRALES
Acuaria spirales (dispharynx-nasuta) in a dog. 13472

ACYRTHOSIPHON PISUM
Apterous aphids in water, wind, and suction traps. 12972

ADELGES PICEAE
Tanglefoot traps for detection of the balsam woolly aphid. 13076

A device for examining large insect traps. 13698

ADENOCARCINOMA
An outbreak of oviduct adenocarcinoma in laying hens. 13451

ADSORPTION
Aldrin adsorption by soils and clays. 13521

Adsorption of bipyridylium herbicides in soil. 13571

ADVERSE EFFECTS
Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. 13412

AEDES
Seasonal activity of mosquito predators in woodland pools in Ontario. 13161

On the role of Japanese mosquitoes especially of Culex pipiens pallens in the transmission of Bancroftian filariasis. in: Progress of medical parasitology in Japan, vol. 3. k. morishita,Y. komiya, and H. matsuhayashi, editors. 423 MB23. 13176

AEDES AEGYPTI
Research needs and priorities: Ecology. 12970

Taxonomy of Aedes aegypti and related species. 12971

The distribution, density and seasonal prevalence of Aedes aegypti in West Africa. 12992

Research needs and priorities: biochemistry. 13014

Preferred Aedes aegypti larval habitats in urban areas. 13023

Feeding stimuli and artificial feeding. 13046

Non-specificity of the male factor enhancing egg-laying in Diptera. 13079

The establishment of reference and marker strains and their shipment. 13104

Mating, resting habits and dispersal of Aedes aegypti. 13119

The need for standard and other strains of Aedes aegypti for research. 13124

Seminal loss in repeatedly mated female Aedes aegypti. 13127

Marked sensitivity of insect cell lines to Fungizone (amphotericin B). 13131

Factors affecting the oviposition of Aedes aegypti. 13137

Formal genetics and cytogenetics of Aedes aegypti. 13145

Research needs and priorities: genetics. 13146

Current status of the formal genetics of Aedes aegypti. 13147

Genetics of vectorial capacity. 13150

Cytogenetics of Aedes aegypti. 13153

AEDES SOLLICITANS

World Health Organization. seminar on the ecology, biology, control, and eradication of Aedes aegypti, 16-20 August 1965, Geneva, Switzerland. 13156

Organization and administration of Aedes aegypti control and eradication programme. 13160

Genetic control of Aedes aegypti. 13162

Responses of Aedes aegypti (L) from Alabama, Georgia and South Carolina to DDT, dieldrin, and malathion. 13164

The egg-laying habits of Aedes aegypti (Linnaeus) in central Texas. 13165

Aedes aegypti and other mosquitos in relation to the dengue syndrome. 13168

Necessary research and priorities: Resistance to insecticides. 13172

Resistance to insecticides in Aedes aegypti and related species. 13173

Aedes aegypti and haemorrhagic fever. 13178

Initiation of the Aedes aegypti eradication programme of the USA. 13179

Insecticides for use against Aedes aegypti. 13181

Research needs and priorities: Chemical control. 13182

Research needs and priorities: Genetic control, including the sterile-male technique. 13183

Possible use of the sterile-male technique for control of Aedes aegypti. 13184

The prospects for Aedes aegypti eradication in Asia in the light of its eradication in Brazil. 13186

Aedes aegypti and yellow fever. 13187

Measures to be taken to prevent the transmission of Aedes aegypti by sea and air. 13189

The larvicidal activity of several liquid detergents and quaternary ammonium compounds. 13190

Metabolism of chlorinated insecticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SB953.P32. 13551

Toxic hazards from the use of insecticides in the control of Aedes aegypti. 13576

Some effects of orally administered Enelene on host sheep and two ectoparasites: the yellow-fever mosquito and the Rocky Mountain wood tick. 13672

Training aspects of the United States sponsored Aedes aegypti and malaria eradication programs. 13706

AEDES SOLLICITANS
Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, Aedes sollicitans (Walker) and Aedes taeniorhynchus (Wiedemann), in Florida. 13174

Preliminary observations on the incidence and biology of a mermithid nematode of Aedes sollicitans (Walker) in Louisiana. 13177

AEDES STIMULANS
Trapping mosquitoes with sound. (abstract). 13159

AEDES TAENIORHYNCHUS
Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. 13157

Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, Aedes sollicitans (Walker) and Aedes taeniorhynchus (Wiedemann), in Florida. 13174

New insecticides as nonthermal aerosols for control of adult mosquitoes. 13175

AEDES TRISERIATUS
The larvicidal activity of several liquid detergents and quaternary ammonium compounds. 13190

AEDES VEXANS
How we modified a back pack sprayer for ULV insecticide applications. 13694

AERIAL PEST CONTROL
Aircraft in the agriculture and forestry of Communist China. 13701

AERIAL SPRAYING
ULV aerial insecticide application for adult mosquito control. 13166

Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, Aedes sollicitans (Walker) and Aedes taeniorhynchus (Wiedemann), in Florida. 13174

Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. 13188

The determination of DDT deposited on cotton plants in an airspray trial in Tanzania. 13286

An area control program for the pear psylla. 13311

Agricultural fixed-wing aircraft survey. 13689

Low volume spraying superior, less expensive for planes in Bakersfield, California, district. 13695

The industry in Japan. 13697

Aircraft in the agriculture and forestry of Communist China. 13701

AEROBIC BACTERIA
Antibiotic cirolerosus and process for producing the same. patent 3,345,262. 13644

AERODYNAMICS
Flight in Drosophila. iII. aerodynamic characteristics of fly wings and wing models. 13139

AEROSOLS
New insecticides as nonthermal aerosols for control of adult mosquitoes. 13175

AFLATOXIN
Cancer inducing agents. 13444

Preparations of aflatoxins and determination of their ultraviolet and fluorescent characteristics. 13488

Possible reactions for aflatoxin detoxification. 13598

Separation of aflatoxins by two-dimensional thin-layer chromatography. 13655

AFRICAN OILPALM
Incidence in the culture of oil palm of Fusarium populations in the soil of the savanna in the lower Ivory Coast. 13267

AGING
Effect of age on (14c)valine turnover into locust wing proteins. 13058

Cellular age changes in insects. in: Aspects of the biology of aging, H. w. woolhouse, ed. 13113

Influence of age on ovarian function in Drosophila melanogaster. 13140

AGRICULTURAL CHEMICALS
Prevention and first aid for livestock poisoned with chemicals. sF757.5.N3. 13561

AGRICULTURAL EDUCATION
Qualitative and quantitative aspects of the graduate curriculum in plant pathology. 13263

AGRICULTURAL FINANCIAL OUTLOOK
Pesticide prognosis. 13705

AGRICULTURAL INDUSTRIES
Water pollution control and abatement. TD420.W45. 13520

AGRICULTURAL REGULATION
Federal committee on pest control. 13708

AGROBACTERIUM TUMEFACIENS
Metabolism of amino acids in agrobacterium tumefaciens. III. uptake of L-proline. 13608

AGRONOMY
Aircraft in the agriculture and forestry of Communist China. 13701

AGROTIS CETHCGONIA
An artificial diet and some growth factor requirements for the pale western cutworm. 13070

AIR POLLUTION
Toxicity evaluation of air pollutants by use of luminescent bacteria. 13596

AIRCRAFT
Agricultural fixed-wing aircraft survey. 13689

The industry in Japan. 13697

Aircraft in the agriculture and forestry of Communist China. 13701

AIRCRAFT DISINFESTATION
Measures to be taken to prevent the transmission of Aedes aegypti by sea and air. 13189

ALANINE
The conversion of glutamate to alanine in the tsetse fly (Glossina morsitans). 13017

Nitritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, Bombyx mori. 13062

ALCOHOLS
Fatty alcohol inhibition of tobacco auxiliary and terminal bud growth. 13630

ALDRIN
Photodecomposition of dieldrin and aldrin. 13056

Phytotoxicity and wireworm-control efficacy of insecticidal dressings applied to cereal seed up to a year before planting. 13310

Effect of treating cotton seed with dieldrin, Ethavit B, and aldrin on the emergence of pink bollworm moths. 13341

Morphological-biological report of the cabbage maggot "Hylemia brassicae (Bch.)" and experiments in chemical control. 13360

Control of pink bollworm larvae with soil-applied insecticides. 13378

Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510

Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

Aldrin adsorption by soils and clays. 13521

Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553

Identification of the aldrin artifact. 13653

ALFALFA
Observations on the alfalfa leaf-cutter bee, Megachile rotundata, at Hodgson, Manitoba in 1966. 13112

Influence of potassium chloride on the interrelationship of fungi and a nematode in alfalfa roots. (abstract). 13242

Seed increase of alfalfa in growth chambers with Megachile rotundata F. 13333

ALKALOIDS
Senita cactus alkaloids: Their significance to Sonoran Desert Drosophila ecology. 13073

Toxicity of some goldenrods. 13605

ALKANE AMIDES, DIHALOGENATED
Compositions and methods of use of dihalogenated alkane amides. patent 3,332,845. 13675

ALKYL ISOQUINOLINIUM DODECYLDITHIOCARBONATE
Quaternary ammonium xanthates. patent 3,324,134. 13677

ALKYLATION
Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13335

ALLYL-1,2-(METHYLENEDIOXY)-BENZENE, 4-
Cancer inducing agents. 13444

ALTERNARIA
Increase in invasion by storage fungi and in fat acidity values of commercial lots of soybeans stored at moisture contents of 13.0.14.0 percent. 13484

AMEBICIDES
Compositions and methods of use of dihalogenated alkane amides. patent 3,332,845. 13675

AMIDES
Compositions and methods of use of dihalogenated alkane amides. patent 3,332,845. 13675

AMINO ACIDS
Dietary amino acid and nucleic imbalance leading to altered tumour frequency in the adult housefly, Musca domestica. 13013

Effect of age on (14c)valine turnover into locust wing proteins. 13058

Nitritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, Bombyx mori. 13062

Gustation of dietary amino acids by the aphid Myzus persicae. 13091

Effect of amino acid and sugar concentrations on the food uptake of the aphid Myzus persicae. 13092

Cortisol and growth in insects. 13093

Metabolism of amino acids in agrobacterium tumefaciens. III. uptake of L-proline. 13608

Degradation of aromatic amino acids by fungi. II. purification and properties of phenylalanine ammonia-lyase from Ustilago hordei. 13628

AMINOADAMANTANE, 2-
Pharmaceutical compositions and methods utilizing 2-aminoadamantane and its derivatives. patent 3,328,251. 13671

AMITROLE
Amitrole decomposition by free radical-generating systems and by soils. 13657

AMMONIUM COMPOUNDS
The larvicidal activity of several liquid detergents and quaternary ammonium compounds. 13190

Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. 13627

Biocidal quaternary ammonium sulfamates. patent 3,344,018. 13669

Quaternary ammonium xanthates. patent 3,324,134. 13677

AMPELODESMA MAURITANICUS
Research of Hymenoptera Chalcidoidea. III. a new species of the genus Tetramesa Walk. (Hym. Eurytomidae). 12997

AMPHOTERICIN B
Marked sensitivity of insect cell lines to Fungizone (amphotericin B). 13131

AMYLOSES

AMYLOSES
Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. 13498

ANAEROBIC BACTERIA
Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

Anaerobic lagoon treatment of milking-parlor wastes. 13515

ANAGASTA KUEHNIELLA
Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with Bakthane 1-69. 13489

Biological studies on the Mediterranean flour moth, Anagasta kuhniella Zeller (Lepidoptera: Phycitidae). 13496

ANESTHESIA
Inheritance of ether resistance in Drosophila melanogaster. 13152

ANESTHETICS
A foot-controlled device using carbon dioxide for the anesthetization of insects. 13690

ANILIDES
Herbicidal composition and method. patent 3,345,151. 13650

ANIMAL DISEASES
Common disease problems in laboratory animals. 13459

ANIMAL HISTOLOGY
An outbreak of oviduct adenocarcinoma in laying hens. 13451

Histological studies of tests in rats treated with certain insect chemosterilants. 13590

ANIMAL METABOLISM
Metabolism of O-phenyl-O'-(4-nitrophenyl) methylphosphonothioate (Colep) in plants and animals. 13555

ANIMALS
Distemper outbreak in a zoo. 13447

Summary of recent abstracts. IX. helminthiasis. 13467

Comparative pharmacology of some animal toxins. 13594

Retention of vaporized lindane by plants and animals. 13602

Problems in FAC on human and animal intoxication. in: radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 april 1965. sB953.P32. 13603

Pharmaceutical compositions and methods utilizing 2-aminoadamantane and its derivatives. patent 3,328,251. 13671

ANISIC ACID
Anisic acid esters as knockdown agents. 13008

ANOBIIDAE
A laboratory study of Stegobium paniceum (L.) (Coleoptera: Anobiidae). 13080

ANOPHELES
On the role of Japanese mosquitoes especially of Culex pipiens pallens in the transmission of Bancroftian filariasis. in: Progress of medical parasitology in Japan, vol. 3. k. morishita,Y. komiya, and H. matsuhayashi, editors. 423 M823. 13176

ANOPHELES ALBIMANUS
Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. 13157

ANOPHELES GAMBIAE
The circadian flight activity of the mosquito Anopheles gambiae: phase setting by the light regime. 13068

ANOPHELES QUADRIMACULATUS
New insecticides as nonthermal aerosols for control of adult mosquitoes. 13175

The larvicidal activity of several liquid detergents and quaternary ammonium compounds. 13190

ANOPHELES TIGERTTI
Anopheles (Anopheles) Tigerti, a new species of the aitkeni group from Thailand. 12988

ANOPLURA
Entomology of Antarctica. gL491.G7. 12952

ANOXIA
Anaerobiosis studies with Musca domestica. age and sex differences for survival rate and recovery capability. 13037

ANTARCTICA
Entomology of Antarctica. gL491.G7. 12952

ANTHELMINTICS
Margin of safety of succinylcholine chloride in horses treated with anticholinesterase pesticides. 13434

ANTHERAEA EUCALYPTI
Natural substrates of the phenoloxidase in the pupal blood of the silkmoths, Antheraea pernyi and A eucalypti. 13040

Marked sensitivity of insect cell lines to Fungizone (amphotericin B). 13131

ANTHERAEA PERNYI
The activation of prophenoloxidase during melanization of the pupal blood of the Chinese oak silkmoth, Antheraea pernyi. 13039

Natural substrates of the phenoloxidase in the pupal blood of the silkmoths, Antheraea pernyi and A eucalypti. 13040

Induced mutation by gamma ray and neutron in tussah silkworm Antheraea pernyi. 13105

ANTIBONOMUS GRANDIS
Metabolism of 2-methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxime (Temik, UC-21149) in insects. 13016

Boll weevils. in: Smith, C. m. insect colonization and mass production. gL497.S6. 13323

Comparative effect of the boll weevil on the productivity of Coker 100 cotton in North Carolina. 13351

Effects of nitrogen fertilization on cotton under boll weevil attack in North Carolina. 13352

A preventive boll weevil control program applied to a ten-square-mile area within a treated county. 13353

A preventive boll weevil control program applied to a ten-square-mile area within an untreated county. 13354

Constituents of the cotton bud. IX. further studies on a polar boll weevil feeding stimulant complex. 13374

A flail machine for destroying fallen cotton squares infested with boll weevils. 13693

ANTHRAQUINONES
Process for controlling fungi with anthraquinone derivatives. patent 3,326,750. 13678

ANTIBIOTICS
Marked sensitivity of insect cell lines to Fungizone (amphotericin B). 13131

Antifungal antibiotic and method of producing same. patent 3,350,726. 13435

Russian drug index. ed. 2. RS91 .J3. 13638

Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642

Antibiotic cirolerosus and process for producing the same. patent 3,345,262. 13644

Antiviral antibiotic from trichoderma todica and method of producing same. patent 3,323,996. 13673

Compositions and methods of use of dihalogenated alkane amides. patent 3,332,845. 13675

Method of producing an antibiotic guinomycin B. patent 3,332,843. 13688

ANTIBODIES
A survey on antibodies against canine toxoplasma by hemagglutination test and isolation of the organism from dogs. 13461

ANTIGENS
Immunizing pigs against hog cholera with selected strains of live virus diarrhea virus and preparation of virus diarrhea virus hyper-immune hog cholera serum. patent 3,346,456. 13408

ANTIMETABOLITES
Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13335

ANTISEPTICS
Study of bactericidal action of four disinfectants in the control of bovine mammitis. 13445

AORTA
Studies on the neurosecretory system and the functional significance of NSM in the aortal wall of the bug, Dysdercus koenigii. 13035

APANTELES
The Indo-Australian species of the ultor-group of Apanteles Forster (Hymenoptera: Braconidae). 12974

APHELINIDAE
Research of Hymenoptera Chalcidoidea. VI. genera and species new to the Italian entomofauna (Encyrtidae, Aphelinidae, Mymarommidae). 12996

APHILIDAE
An American Apaididae new to the European fauna: Nearctaphis bakeri Cowan (hom.). 12966

Further records of New Jersey aphids (Homoptera: Aphididae). 12968

Aphids of Korea. QL523. A6 F3. 12978

Observations on two races of the groundnut aphid, Aphis craccivora. 13067

Gustation of dietary amino acids by the aphid Myzus persicae. 13091

Effect of amino acid and sugar concentrations on the food uptake of the aphid Myzus persicae. 13092

Formation of sexuparae in the aphid, Eriosoma pyricola, on pear roots. 13122

Biology of radicolous aphids on maize. 13299

Aphids. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13331

Effects of aphids on cereal grains at various stages of plant growth. (Abstract). 13364

A review of hymenopterous parasites of citrus pest aphids of the world and biological control projects (Hym., Aphidoidea). 13371

APHIS
Apterous aphids in water, wind, and suction traps. 12972

APHIS CRACCIVORA
Observations on two races of the groundnut aphid, Aphis craccivora. 13067

A preventive boll weevil control program applied to a ten-square-mile area within an untreated county. 13354

APHIS GOSSYPII
Effects on light and sugars on rearing the cotton aphid, Aphis gossypii, on a germ-free and holidic diet. 13006

Factors affecting transmission of tristeza virus by melon aphids. 13254

A preventive boll weevil control program applied to a ten-square-mile area within an untreated county. 13354

Some new efficient preparations to control thrips and Aphis gossypii on cotton. 13361

APIS MELLIFERA
The respiratory metabolism of insect flight muscle during adult maturation. 13007

Pheromones of the queen honeybee (Apis mellifera L.) which enable her workers to follow her when swarming. 13018

Ovariole development in worker honey bees. (Abstract). 13064

A survey of Nosema disease in package bees, queens, and attendant bees entering Manitoba (1963-1966). 13065

Optical orientation of the honey bee (Apis mellifica) according to the frontal angle of the perceived striated pattern. 13141

The confinement period required to rid honeybees of foreign sweetclover pollen. 13358

APPLES
Apple latent virus 2 is Sowbane mosaic virus. 13206

Virus etiology of foliar vein-flecking or ring pattern, and fruit russeting or blotch on apple. 13288

The control of the Carpocapsa pomonella and the fruit acarids. 13303

Codling moths. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13328

Determination of rogor and cidial by the isotope dilution method. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SB953.P32. 13524

Colorimetric determination of Alar residues in apples. 13539

APRICOTS
Gas chromatographic determination of captan residues. 13550

APYRASE
Some effects of thermal acclimation on muscle apyrase activity and mitochondrial number in Periplaneta americana and Musca domestica. 13138

AQUATIC ANIMALS
The phenomenon of intrapopulation control in aquatic organisms. an attempt at immunological interpretation of its physiology. 13134

AQUATIC INSECTS
Collections of aquatic Coleoptera larvae in the Ethiopian Region: South Africa and Rhodesia (1959). 12936

A study of the population of insects emerging as adults from Spettigue's Pond at London, Ontario. 12960

Hygrobia hermanni Ol, the mud beetle (Col., Hygrobiidae). 12998

The phenomenon of intrapopulation control in aquatic organisms. an attempt at immunological interpretation of its physiology. 13134

Seasonal activity of mosquito predators in woodland pools in Ontario. 13161

Aquatic insects associated with midwestern waste stabilization lagoons. 13514

AQUATIC PLANTS
Use of 74As-tagged sodium arsenite in a study of effects of a herbicide on pond ecology. in: Isotopes in weed research; proceedings of a symposium Vienna, 25-29 October 1966. s589.S9. 13509

ARGININE
Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. 13412

ARTERITIS
Diagnosis and prevention of equine respiratory diseases. 13446

ARTHROPODA
Entomology of Antarctica. gL491.G7. 12952

Disease agents affecting livestock in British Honduras. I. internal and external parasites. 13473

ARTICHOKES

Comparative pharmacology of some animal toxins. 13594

ARTICHOKES
Ostrinia nubilalis Hubner, injurious to globe artichoke in Egypt (Lepidoptera: Pyralidae). 13300

ARYLAMINO CINNAMOYL, BETA-, COMPOUNDS
Insecticidal and fungicidal usage of beta-arylamino cinnamoyl compounds. patent 3,355,351. 13659

ASCOCHYTA
Isolation, incidence, and virulence of Ascochyta spp. of peas from the soil. 13285

ASCORBIC ACID
Influence of substances and soil treatments on the germination of spores of Cochliobolus sativus. 13219

ASIA
The prospects for Aedes aegypti eradication in Asia in the light of its eradication in Brazil. 13186

ASPERGILLUS
Metabolism of chlorinated insecticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SB953.P32. 13551

ASPERGILLUS CANDIDUS
Effect of moisture content and temperature on invasion of stored corn by Aspergillus flavus. 13487

ASPERGILLUS FLAVUS
Effects of three soil-inhabiting fungi on axenic peanut plants. (abstract). 13216

Effect of moisture content and temperature on invasion of stored corn by Aspergillus flavus. 13487

Possible reactions for aflatoxin detoxification. 13598

The formation of aflatoxin derivatives. 13636

ASPERGILLUS GLAUCUS
Increase in invasion by storage fungi and in fat acidity values of commercial lots of soybeans stored at moisture contents of 13.0.14.0 percent. 13484

ASPERGILLUS RESTRICTUS
Increase in invasion by storage fungi and in fat acidity values of commercial lots of soybeans stored at moisture contents of 13.0.14.0 percent. 13484

ASPIDOPHORODE
A new aphid genus from north-western India (Homoptera: Aphididae). 12993

ASPIRATORS
AEHA cartridge-type aspirators. 13692

ASSAY
The formation of aflatoxin derivatives. 13636

ATLASES
Atlas of diseases and pests of vegetables. SB731. A4. 13203

ATROPHIC RHINITIS
Method of protecting the offspring of a herd of breeding swine from turbinate atrophy. patent 3,336,190. 13452

ATTRACTANTS
New findings concerning pheromones produced by Trogoderma granarium (Everts), (Coleoptera, Dermestidae). 13143

Trapping mosquitoes with sound. (abstract). 13159

The egg-laying habits of Aedes aegypti (Linnaeus) in central Texas. 13165

Current research by the USDA of potential significance to world-wide mosquito control. 13169

Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13335

Gas chromatographic analysis of the insect attractant cuelure and related compounds. 13637

AUTORADIOGRAPHY
Handling plants for macro-autoradiography, in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s589.s9. 13397

Potential use of tracer methods especially autoradiography in the study of the relation of herbicides to soil biology in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965 S589.S9. 13512

AVIAN ENCEPHALOMYELITIS
Cultivation of avian encephalomyelitis virus in vitro. 1. in chick embryo neuroglial cell culture. 13431

AVIAN LYMPHOMATOSIS
Marek's disease. i. propagation of the Connecticut A (Conn-A) isolate in chicks. 13414

Pathogenesis of Marek:s disease (Connecticut A isolate). 13462

AVICIDES
Contact avicides. patent 3,340,142. 13592

AZINPHOSMETHYL
A preventive boll weevil control program applied to a ten-square-mile area within a treated county. 13353

Rapid method for surface residues of organophosphorus pesticides by total phosphorus. 13531

AZOBENZENE CARBAMATES
Azobenzene carbamates as insecticides. 13069

AZODRIN
Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin). 13528

BABY PIGS
Method of protecting the offspring of a herd of breeding swine from turbinate atrophy. patent 3,336,190. 13452

BACILLUS THURINGIENSIS
Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with Bakthane L-69. 13489

Purification of a protein from Bacillus thuringiensis toxic to larvae of Lepidoptera. 13634

BACTERIA
Toxicity evaluation of air pollutants by use of luminescent bacteria. 13596

Antibiotic cirolerosns and process for producing the same. patent 3,345,262. 13644

BACTERIAL LEAF BLIGHT (RICE)
Linkage studies on the resistance to bacterial leaf blight, Xanthomonas oryzae (Uyeda et Ishiyama) Dowson, in rice. 13269

BACTERIAL PHLOEM CANKER (PERSIAN WALNUTS)
Bacterial phloem canker, a new disease of Persian walnut trees. 13290

BACTERIAL VACCINES
The use of salmonella vaccine in outbreaks of salmonellosis in sheep. 13410

BACTERICIDES
Study of bactericidal action of four disinfectants in the control of bovine mammitis. 13445

Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642

Method of controlling microbes by means of tetrahalocyclopentadienyldiamines. patent 3,341,405. 13680

BAITS
Taste preferences in rodenticide development. 13635

BANANAS
Preparing nematode-free banana 'seed'. 13386

On the occurrence of the burrowing nematode, Radopholus similis (Cobb, 1893) Thorne, 1949, on banana in Kerala.

13389

BANOL
Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. 13578

BARLEY
Some aspects of the barley yellow dwarf virus disease in Manitoba. 13232

Differential resistance of cell walls of Acer pseudoplatanus, Triticum vulgare, Hordeum vulgare, and Zea mays to polysaccharide-degrading enzymes. 13247

Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease. 13261

Influence of light intensity on the reactions of wheat and barley seedlings to Puccinia striiformis. 13275

Phytotoxicity and wireworm-control efficacy of insecticidal dressings applied to cereal seed up to a year before planting. 13310

Sterilization of barley malt with gamma radiation. 13506

Effect of gibberellin on the free auxin content in the period of spike differentiation of barley. 13618

Biochemical investigations into the effect of DDT on barley. 13622

BAYGON
Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. 13188

BEANS
Azobenzene carbamates as insecticides. 13069

Alteration of cell wall components during pathogenesis by Rhizoctonia solani. in: Mircha, C. j., and Uritani, i., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13208

Solute and water relations during infection. iI. obligate parasites: effect on the movement of solutes and water. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13226

Screening trial of pre-emergence herbicides in dwarf beans, 1964. 13395

Heat-labile growth-inhibiting factors in beans (Phaseolus vulgaris). 13619

BEE BEHAVIOR
Pheromones of the queen honeybee (Apis mellifera L.) which enable her workers to follow her when swarming. 13018

BEE POLLINATION
Observations on the alfalfa leaf-cutter bee, Megachile rotundata, at Bodgson, Manitoba in 1966. 13112

The confinement period required to rid honeybees of foreign sweetclover pollen. 13358

BEE VENOM
Comparative pharmacology of some animal toxins. 13594

BENEFICIAL INSECTS
Natural enemies of rust fungi in the tropics. (abstract). 13221

Population sampling for integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13376

Status of the cereal leaf beetle, Oulema melanopus (L.) Coleoptera: Chrysomellidae in North America. 13379

BENZIMIDAZOLE
Effect of benzimidazole and kinetin on the nicotinamide nucleotide content of senescing wheat leaves. 13626

BENZO(B)THIEN-4-YL METHYLCARBAMATE
Determination of residues of Mobil MC-A-600 (benzo(b)thien-4-yl methylcarbamate) and its hydrolysis product (benzo(b)thiophene-4-ol) in coastal bermuda grass and milk. 13530

BENZO(B)THIOPHENE-4-OL
Determination of residues of Mobil MC-A-600 (benzo(b)thien-4-yl methylcarbamate) and its hydrolysis product (benzo(b)thiophene-4-ol) in coastal bermuda grass and milk. 13530

BENZOXAZOLINONE
Spectrophotofluorometric determination of 6-methoxy-2-benzoxazolinone, an indicator of resistance to European corn borer in Zea mays. 13308

BENZYL KETONES
Method of controlling plant growth. patent 3,336,131. 13683

BIBLIOGRAPHY
Electron microscopy of plant viruses; bibliography 1939-1965. 13213

BIDRIN
Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin). 13528

BIOCHEMISTRY
Research needs and priorities: biochemistry. 13014

The calcium-stimulated incorporation of ethanolamine and serine into the phospholipids of the housefly Musca domestica. 13026

Evolution of xanthide dehydrogenase in Drosophila. 13036

The activation of prophenoloxidase during melanization of the pupal blood of the Chinese oak silkmoth, Antheraea pernyi. 13039

Natural substrates of the phenoloxidase in the pupal blood of the silkmoths, Antheraea pernyi and A encalypti. 13040

Characteristics of phenol oxidases in Mormoniella vitripennis (Walker). 13043

Effect of age on (14C)valine turnover into locust wing proteins. 13058

Phospholipase activity in Musca domestica L. 13071

The distribution and localization of digestive enzymes in the alimentary canal and salivary glands of the cotton stainer, Dysdercus fasciatus. 13072

Purification and properties of acid ribonucleases from posterior silk gland of silkworm. 13075

Fatty acid composition of the silkworm, Bombyx mori L. 13095

Fatty acid composition of the diet and larvae and biosynthesis of fatty acids from 14C-acetate in the cabbage looper, Trichoplusia ni. 13098

Changes in electrophoretic properties of haemolymph and terminal oocyte proteins during vitellogenesis in the American cockroach. 13100

The relationship of the fatty acid composition of Heliothis zea larvae to that of its diet. 13117

The wild type phenocopy of the rosy mutant of Drosophila melanogaster and its relation to xanthine dehydrogenase activity. 13120

Carbohydrate metabolism in the flight muscle of the southern armyworm moth, Prodenia eridania. 13132

Ion movements and water transport in the rectum of the locust.Schistocerca gregaria. 13133

Some effects of thermal acclimation on muscle apyrase activity and mitochondrial number in Periplaneta americana and Musca domestica. 13138

Molecular basis for the genetic regulation and coordination of the differentiation process. 13148

BIOLCGICAL ASSAY

Biccnemistry cf virus infection. v. change in nuclear content cf host cells infected by virus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13249

The biochemistry cf plant virus infection. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction; proceedings of a conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13277

Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

Biochemical toxicology. 13604

Heat-labile growth-inhibiting factors in beans (Phaseolus vulgaris). 13619

BIOLCGICAI ASSAY
bioassay of insecticides for control of Drosophila melancgaster. 13369

Use of immunofluorescence and animal tests to detect growth and toxin production by Clostridium botulinum type E in food. 13507

The use of Folsomia fimetaria and Drosophila melanogaster as test insects for the detection of insecticide residues. 13566

Purification of a protein from Bacillus thuringiensis toxic to larvae of Lepidoptera. 13634

BIOLCGICAI CICCKS
The role of rhythms in insect behaviour. 13024

BIOLOGICAI CCNTECL (INSECTS)
Inherited partial sterility among survivors from irradiation-eradication experiment. 13154

Genetic control of Aedes aegypti. 13162

Current research by the USDA of potential significance to world-wide mosquito control. 13169

Research needs and priorities: Genetic control, including the sterile-male technique. 13183

Biological methods in crop pest control. SB975.07. 13194

Biological control and alternative control schemes. A. s. Balachowsky and F. wilson, rapporteurs. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13320

Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13335

Essential role of chemicals in crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13356

Record of the cottony cushion scale, Icerya purchasi Maskell in the Cannanore District of Kerala State in India and its control. 13362

A review of hymenopterous parasites of citrus pest aphids of the world and biological control projects (Hym., Aphidoidea). 13371

Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with Bakthane L-65. 13489

BIOLOGICAL CCNTECL (PESTS)
Biological methods in crop pest control. SB975.07. 13194

BIOLOGICAI CCNTECL (WEEDS)
Biological methods in crop pest control. SB975.07. 13194

BIRDS
Additional synonymies within the amblyceran bird lice (Mallophaga). 12981

Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13327

Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SB996 .W6K6. 13342

Salmonella infection in wild birds. 13464

Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. 13540

BLABERUS CRANIIFER
Temperature acclimation and its influence on the electrical activity of the nervous system in three species of cockroaches. 13004

BLACK POD (CACAO)
Black-pod disease of Theobroma cacao. (Abstract). 13280

BLACK ROT (SWEETPOTATOES)
Influence of environmental temperatures on metabolic alterations related to disease resistance in sweet potato roots infected by black rot. 13201

BLACK SHANK (TOBACCO)
Effect of soil moisture and soil temperature on black shank disease development in tobacco. 13246

Effect of calcium nutrition on black shank of tobacco. (abstract). 13250

BLACK SPOT (ROSA)
Black spot of rose (Marssonia rosae Lib.). 13291

BLAST (RICE)
Studies on the physiologic races of the rice blast fungus, Piricularia oryzae Cav. SB608. R5 C5. 13218

Biochemical response of plants to toxins produced by the rice blast fungus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.c6. 13278

BLATTELLA GERMANICA
Insecticide mode of action. effect of dieldrin on ion movement in the nervous system of Periplaneta americana and Blattella germanica cockroaches. 13054

BLATTIDAE
The apparent binding of dDT to tissue components. 13584

BLOOD
Some consequences of copulation in Rhodnius prolixus. 13029

The activation of prophenoloxidase during melanization of the pupal blood of the Chinese oak silkmoth, Antheraea pernyi. 13039

Natural substrates of the phenoloxidase in the pupal blood of the silkmoths, Antheraea pernyi and A encalypti. 13040

Normal differential counts of haemocytes in relation to ecdysis and feeding in Rhodnius. 13066

On the hydrogen-ion concentration in the alimentary canal and blood of phytophagous larval Lepidoptera. 13128

Egg production of house-fly, adults fed human blood containing various supplements. 13163

BLOOD CELLS
Normal differential counts of haemocytes in relation to ecdysis and feeding in Rhodnius. 13066

BLOOD PLASMA
The nature of haemolymph proteins in relation to the ovarian cycle in the viviparous cockroach, Nauphoeta cinerea. 13002

Sexual difference in haemolymph protein of several insects. 13074

Changes in electrophoretic properties of haemolymph and terminal oocyte proteins during vitellogenesis in the American cockroach. 13100

Ion movements and water transport in the rectum of the locust.Schistocerca gregaria. 13133

Influence of oxytocin on diffusion of sulfonamides from plasma into bovine milk. 13559

BLUE LUPINE
The Stemphylium leaf spot complex on blue lupine. 13287

BLUEBERRIES
Influence of daylength on auxin production in flower buds of the lowbush blueberry. 13609

BOMBYX MORI
Sexual difference in the activity of the pars intercerebralis--corpus cardiacum--corpus allatum system of Bombyx mori. 13045

Dehydrogenase in carbohydrate metabolism in larvae of the silkworm, Bombyx mori L. 13059

Nitritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, Bombyx mori. 13062

Sexual difference in haemolymph protein of several insects. 13074

Purification and properties of acid ribonucleases from posterior silk-gland of silkworm. 13075

Fatty acid composition of the silkworm, Bombyx mori L. 13095

Effect of apholate on reproductive organ of the female silkworm, Bombyx mori, with special reference to histopathological observation of the ovaries. 13136

BOTRYOSPHAERIA RIBIS
The effect of various nitrogen sources on growth of Botryosphaeria ribis in vitro. (abstract). 13613

BOTRYTIS
Experiments on controlling strawberry botrytis rot by spraying. sB953.B6. 13251

BOTRYTIS ALLII
Selective media to distinguish between two Botrytis species on onion. 13253

Studies on the biology of Botrytis allii on Allium cepa. 13281

BOTRYTIS CINEREA
Selective media to distinguish between two Botrytis species on onion. 13253

Studies on Botrytis cinerea in tomatoes influence of methods of deleafing on the occurrence of stem lesions. 13284

Influence of some environmental factors on the susceptibility of Pisum sativum to Botrytis cinerea. 13289

BROADBEANS
The relationship of the fatty acid composition of Helicthis zea larvae to that of its diet. 13117

The effect of 4-hydroxy-3,5-diiodobenzonitrile (ioxynil) on respiratory electron transport in Vicia faba L. 13400

BROWN SPOT (RICE)
Helminthosporium oryzae Breda de Haan, brown spot of rice. 13294

BRUCELLOSIS
The control and eradication of brucellosis. i. serological responses in cattle following vaccination with S.19 and killed Brucella 45/20 adjuvant vaccine. 13416

II. Brucellosis in Britain--The problem: Control: Eradication. 13448

BRUCHIDIOS ATER
Ethological notes about egg-laying and the newly emerged larva of Bruchidius ater (Marsh.) (Col. Bruchidae). 13085

BUTT ROT (TREES)
Butt rot in yellow-poplar seedling-sprout stands. 13233

BUTYL-2-CHLOROPHENYL METHYL METHYLPHOSPHORAMIDATE, 4-TERT-
Some effects of orally administered Bnelene on host sheep and two ectoparasites: the yellow-fever mosquito and the Rocky Mountain wood tick. 13672

CABBAGE
The insect pests of cabbage in Egypt. 13330

Parathion and methyl parathion residues on cabbage and southern peas. 13546

CALCIUM
The calcium-stimulated incorporation of ethanolamine and serine into the phospholipids of the housefly Musca domestica. 13026

Effect of calcium nutrition on black shank of tobacco. (abstract). 13250

Influence of some environmental factors on the susceptibility of Pisum sativum to Botrytis cinerea. 13289

Influence of vitamin D on calcium metabolism and the parathyroid glands of cattle. 13413

CALLIPHORA VICINA
Characteristics of a larval proteinase of Calliphora erythrocephala Meigen. 13094

Responses of tarsal hairs of the bluebottle, Calliphora erythrocephala Meig., to sugar and water. 13102

CALVES
The reaction of calves to helminth infection under natural grazing conditions. iI. pathology of terminal disease. 13471

Experimental helminthiasis in parasite-free calves on marshland pastures 13481

Effect of ethylene dibromide fumigated feed on animals. sF97.B6. 13579

Absorption, metabolism, and excretion of tritium-labeled famphur in the sheep and calf. 13583

CANADA
Some aspects of the barley yellow dwarf virus disease in Manitoba. 13232

Important forest insects of Ontario in 1966. 13365

Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510

CANINE DISTEMPER
Distemper outbreak in a zoo. 13447

CANINE DISTEMPER VACCINES
Distemper immunisation. 13418

CAPTAN
Gas chromatographic determination of captan residues. 13550

CARABIDAE
Description of two new subspecies of Carabidae. 12977

CARBAMATES
Azobenzene carbamates as insecticides. 13069

Topical toxicity of several chlorinated hydrocarbon, organophosphorous, and carbamate insecticides to Lygus hesperus. 13083

Evaluation of insecticides for control of the suoar-beet maggot in Manitoba. 13297

Persistent pesticides. 2. 13557

New extraction system for residue analyses. 13565

The use of Folsomia fimetaria and Drosophila melanogaster as test insects for the detection of insecticide residues. 13566

Toxic hazards from the use of insecticides in the control of Aedes aegypti. 13576

Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. 13578

Some effects of molecular structure upon anticholinesterase and insecticidal activity of substituted phenyl N-methylcarbamates. 13643

CARBANILATES

Determination of carbaryl and some other carbamates by gas chromatography. 13674

Sulfur-containing carbamate insecticides. patent 3,349,115. 13682

CARBANILATES
Herbicidal composition and method employing substituted carbanilates. patent 3,333,947. 13647

Substituted carbanilate herbicides. patent 3,334,130. 13648

CARBARYL
Development of resistance by the tobacco budworm to endrin and carbaryl. 13296

A preventive boll weevil control program applied to a ten-square-mile area within a treated county. 13353

The insects injurious to potatoes. 13366

Determination of carbaryl and some other carbamates by gas chromatography. 13674

CARBOHYDRATES
Dehydrogenase in carbohydrate metabolism in larvae of the silkworm, Bombyx mori L. 13059

Digestion by the larva of the pruinose scarab, Sericesthis geminata. 13126

Carbohydrate metabolism in the flight muscle of the southern armyworm moth, Prodenia eridania. 13132

CARBON DIOXIDE
New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483

Metabolic shifts during infection. iii. carbon dioxide fixation in the dark as a nutritional factor in parasitism. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13625

A foot-controlled device using carbon dioxide for the anesthetization of insects. 13690

CARBON ISOTOPES
Effect of age on (14c) valine turnover into locust wing proteins. 13056

Fatty acid composition of the diet and larvae and biosynthesis of fatty acids from 14C-acetate in the cabbage looper, Trichoplusia ni. 13098

Behavior of 14-C-labelled diesel oil in different soils. in: Isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. s589.59. 13518

Fate of 2-methyl-2-(methylthio) propion aldehyde O-(methylcarbamoyl) oxime (Temik) in cotton plants and soil. 13535

Metabolism of carbon-14 trifluralin in carrots. 13542

Fate of trifluralin in soils and plants. 13563

Uptake, distribution, and metabolism of monuron and diuron by several plants. 13568

Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. 13578

Metabolism of C-14-endothall in rats. 13597

Distribution and excretion of dicamba by rats as determined by radiotracer technique. 13599

Metabolism of amino acids in agrobacterium tumefaciens. iii. uptake of L-proline. 13608

The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of 14C-labelled organic acids by pea root tips. 13620

Nitrite decomposition by free radical-generating systems and by soils. 13657

Determination of carbaryl and some other carbamates by gas chromatography. 13674

CARCINOGENS
Cancer inducing agents. 13444

Resistance of carcinogenic organic compounds to oxidation by activated sludge. 13639

CARPOCAPSA POMONELLA
The control of the Carpocapsa pomonella and the fruit acarids. 13303

Codling moths. in: Smith, C. n. insect colonization and mass production. gl497.S6. 13328

CARROTS
Metabolism of carbon-14 trifluralin in carrots. 13542

CASSAVA STARCH
On the occurrence and control of Harpagostreptus sp. a new millepede pest of cultivated crops in Kerala. 13318

CASTORBEANS
New records of hymenopterous parasites from Achaea janata Linn (Lepidoptera: Noctuidae), a serious pest of castor, (Ricinus communis). 13343

CATALASE
Comparison of the California mastitis test, catalase test, and pH readings on quarter milk samples. 13440

Proteins and catalase isoenzymes from Fusarium solani and their taxonomic significance. 13617

CATALOGS
A synoptic catalog of the mosquitoes of the world, supplement III. (Diptera: Culicidae). 12990

CATASCYTHROPUS
The genus Catascythropus Kolbe (Col. curculionidae). Description of a new species. 12940

CATERPILLARS
Bear caterpillars? why?. 13011

Purification of a protein from Bacillus thuringiensis toxic to larvae of Lepidoptera. 13634

CATOPIDAE
Note about the Catopidae from Peloponnesus and description of a new Choleva (Cholevopsis) (Col. catopidae). 12955

CATS
Feline panleucopaenia virus. in vitro comparison of strains with a mink enteritis virus. 13424

CATTLE
Treatment of ringworm in cattle; deaths following the use of a mixture of creosote and tractor vaporising oil. 13411

Influence of vitamin D on calcium metabolism and the parathyroid glands of cattle. 13413

The control and eradication of brucellosis. i. serological responses in cattle following vaccination with S.19 and killed Brucella 45/20 adjuvant vaccine. 13416

Bovine vibriosis vaccine and method of administering same. patent 3,329,573. 13422

The relationship between bovine farcy and tuberculosis. 13432

Bovine adenovirus. 13437

Salmonella typhimurium infection in dairy cows. 13439

The protection of calves against infection with Salmonella typhimurium by means of a vaccine prepared from Salmonella dublin (strain 51). 13441

Control of bovine tuberculosis in some countries. 13442

Method of treating bovine mastitis. patent 3,347,743. 13443

Study of bactericidal action of four disinfectants in the control of bovine mammitis. 13445

II. brucellosis in Britain--The problem: Control:

Eradication. 13448

Vitamin A deficiency in young cattle. 13450

The effects of diet on reproduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. 13454

Disk electrophoresis of body fluids in cattle with eosinophilic myositis. 13456

The interpretation of faecal egg-counts. iV. the influence of faecal consistency and dry matter content on Fasciola hepatica egg-counts in cattle. 13475

The interpretation of faecal egg-counts. v. a further note on single and multiple sampling in the detection of parasitic infections. 13476

Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548

Influence of oxytocin on diffusion of sulfonamides from plasma into bovine milk. 13559

Gas chromatographic determination of famphur and its oxygen analog residues in bovine milk, blood, and edible tissues. 13562

Distribution of p,p'-DDT residues in adipose and muscle tissues of beef cattle. 13564

CELL WALL
Alteration of cell wall components during pathogenesis by Rhizoctonia solani. in: Mirocha, C. j., and Uritani, i., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13208

Differential resistance of cell walls of Acer pseudo-platanus, Triticum vulgare, Bordeum vulgare, and Zea mays to polysaccharide-degrading enzymes. 13247

CELLS
Multipolar stretch receptors and the insect leg reflex. 13048

Multiplication of rickettsiae in tick cells in vitro. 13109

Cellular age changes in insects. in: Aspects of the biology of aging, H. w. woolhouse, ed. 13113

Transplanting cleavage and blastoderm cells in enucleated egg of Leptinotarsa decemlineata (Coleoptera). 13118

Marked sensitivity of insect cell lines to Fungizone (amphotericin B). 13131

Biochemistry of virus infection. v. change in nuclear content of host cells infected by virus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13249

Relationships between Wisconsin mastitis test scores and cell counts in milk. 13428

Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. 13581

CELLULASE
Studies on the regulation of cellulase activity and growth in excized pea epicotyl sections. 13615

CENTRAL NERVOUS SYSTEM
Sexual difference in the activity of the pars intercerebralis--corpus cardiacum--corpus allatum system of Bombyx mori. 13045

CEPHUS CINCTUS
A mechanical harvester for collecting larvae of the wheat stem sawfly. 13700

CERATITIS CAPITATA
Newly recognized hosts of the oriental fruit fly, melon fly, and Mediterranean fruit fly. 13355

CERATOCYSTIS ULMI
Factors determining resistance of elms to Ceratocystis ulmi. 13227

CERATOPHYLLUS GALLINAE
The action of the male genitalia during the copulation of the hen flea, Ceratophyllus gallinae (Schrank). 13061

CERCOPIDAE
Revision and supplement to the Homoptera part of the work "Fauna Regni Hungariae" (Fam.: Cercopidae). 12987

CERCOSPORA BETICOLA
Symptoms of Cercospora leaf spot of sugar beets influenced by light intensity. 13215

Cercospora leaf fleck disease of beets. 13241

CESIUM ISOTOPES
Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548

CHALCIDOIDEA
Research of Hymenoptera Chalcidoidea. iI. report of species new, or little known, in the Italian entomofauna. 12995

Research of Hymenoptera Chalcidoidea. vI. genera and species new to the Italian entomofauna (Encyrtidae, Aphelinidae, Mymarommidae). 12996

Research of Hymenoptera Chalcidoidea. iII. a new species of the genus Tetramesa Walk. (Hym. Eurytomidae). 12997

CHAOBORIDAE
Nematode parasites of Culicidae and Chaoboridae in Louisiana. 13022

CHARAXES FUSCUS
Description of a new Charaxes (Lep. nymphalidae). 12979

CHEMICAL CONTROL (INSECTS)
Effect of endrin and trichlorfon applied in artificial diet against larvae of sugar-cane borer Diatraea saccharalis (F.) (Lep., Pyralidae). 13049

ULV aerial insecticide application for adult mosquito control. 13166

Current research by the USDA of potential significance to world-wide mosquito control. 13169

Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, Aedes sollicitans (Walker) and Aedes taeniorhynchus (Wiedemann), in Florida. 13174

New insecticides as nonthermal aerosols for control of adult mosquitoes. 13175

Research needs and priorities: Chemical control. 13182

Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Bayter mixture. 13188

A.v.c. agreport. 2. 13191

Evaluation of insecticides for control of the sugar-beet maggot in Manitoba. 13297

Ostrinia nubilalis Hubner, injurious to globe artichoke in Egypt (Lepidoptera: Pyralidae). 13300

Field evaluation of Temik against some insects and mites attacking citrus. 13305

An area control program for the pear psylla. 13311

On the occurrence and control of Harpurostreptus sp. a new millepede pest of cultivated crops in Kerala. 13318

The effect of wheat hng control chemicals on other wheat pests. 13326

The performance, phytotoxicity and persistence of three petroleum oils for control of the pear psylla. 13346

Experiments on the control of sisal weevils by dipping planting material in solutions of systemic insecticides.

CHEMICAL CONTROL (PLANT DISEASES)

13347 Systemic insecticides evaluated for two-spotted mite control on greenhouse cucumbers. 13348

A preventive boll weevil control program applied to a ten-square-mile area within a treated county. 13353

A preventive boll weevil control program applied to a ten-square-mile area within an untreated county. 13354

Essential role of chemicals in crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13356

Morphological-biological report of the cabbage maggot "Hylemia brassicae (Bch.)" and experiments in chemical control. 13360

Some new efficient preparations to control thrips and Aphis gossypii on cotton. 13361

The insects injurious to potatoes. 13366

Control of pink bollworm larvae with soil-applied insecticides. 13378

Method for combating insects with 5-formamido-1-naphthyl N-methylcarbamate. patent 3,323,989. 13652

Insecticidal and fungicidal usage of beta-arylamino cinnamoyl compounds. patent 3,355,351. 13659

Sulfur-containing carbamate insecticides. patent 3,349,115. 13682

CHEMICAL CONTROL (PLANT DISEASES)
A.v.c. agreport. 2. 13191

Seed disinfection. 13295

Fungicidal compositions and methods. patent 3,345,258. 13670

Cyclopentadienylimines microbicide. patent 3,328,242. 13679

Method of controlling microbes by means of tetrahalocyclopentadienyldiamines. patent 3,341,405. 13680

CHEMICAL CONTROL (WEEDS)
Weed control handbook. ed.4 79 h77. 13392

Variable-dosage-plot trials with various foliage-applied herbicides on annual weeds under Arabica Coffee in 1965-1966. 13393

Screening trial of pre-emergence herbicides in dwarf beans, 1964. 13395

Method of inhibiting growth of undesired vegetation. patent 3,352,662. 13396

Method for the control of undesirable vegetation. patent 3,330,640. 13399

Method for the control of undesirable plant life. patent 3,356,484. 13401

Method for inhibiting growth of undesirable plants. patent 3,334,990. 13403

Herbicidal composition and method= patent 3,330.641. 13406

Use of 74As-tagged sodium arsenite in a study of effects of a herbicide on pond ecology. in: Isotopes in weed research; proceedings of a symposium Vienna, 25-29 October 1966. s589.S9. 13509

Substituted norbornene herbicides. patent 3,324,147. 13640

Herbicidal composition and method employing substituted carbanilates. patent 3,333,947. 13647

Substituted carbanilate herbicides. patent 3,334,130. 13648

Herbicidal composition and method. patent 3,345,151. 13650

Derivatives of pyridazone and a method for their use as herbicides. patent 3,360,357. 13660

Pyridazone derivatives and their use as herbicides. patent 3,341,317. 13661

Pyridazone derivatives and herbicidal compositions containing them. patent 3,323,893. 13662

Herbicidal compositions. patent 3,333,943. 13663

Herbicidal composition and method. patent 3,343,938. 13664

Herbicidal composition and method. patent 3,345,157. 13665

Herbicidal composition and method. patent 3,333,946. 13666

Herbicidal method employing trichlorobenzyloxyalkyl esters of chlorinated aliphatic acids. patent 3,338,703. 13681

Method of controlling plant growth. patent 3,336,131. 13683

CHEMICALS
Disposal and decontamination of ag chemical containers. 13588

CHEMORECEPTORS
Responses of tarsal hairs of the bluebottle, Calliphora erythrocephala Meig., to sugar and water. 13102

CHEMOSTERILANTS
Effect of apholate on reproductive organ of the female silkworm, Bombyx mori, with special reference to histopathological observation of the ovaries. 13136

Possible use of the sterile-male technique for control of Aedes aegypti. 13184

Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13335

Toxic hazards from the use of insecticides in the control of Aedes aegypti. 13576

Histological studies of tests in rats treated with certain insect chemosterilants. 13590

CHEMURGY
Use of pesticides in selective manners. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13322

CHENOPODIUM
Techniques used in the application of a 14C labelled herbicide. in: isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.S9. 13610

CHICK EMBRYOS
Multiplication of rickettsiae in tick cells in vitro. 13109

CHICKENS
Marek's disease. i. propagation of the Connecticut A (Conn-A) isolate in chicks. 13414

Influence of artifically induced coccidiosis on the methionine requirement of laying hens. 13419

The pathophysiology of chronic hypoxia in chickens. 13436

An epidemiological study of salmonellosis of chickens. 13449

An outbreak of oviduct adenocarcinoma in laying hens. 13451

Endotoxin studies in chicks. 13460

Cleaning experiment on respiratory mycoplasmosis in breeding chickens with chlortetracycline. 13465

Effect of ethylene dibromide fumigated feed on animals. sF97.B6. 13579

CHICKS
Effects of dietary DL-METHIONINE on tissue levels of glutathione in hypothyroid chicks. 13427

CHILDREN
Salmonella typhimurium infection in dairy cows. 13439

CHILIS
On the occurrence and control of Harpurostreptus sp. a new millepede pest of cultivated crops in Kerala. 13318

CHILO SUPPRESSALIS
Sexual difference in haemolymph protein of several insects. 13074

CHILO ZONELLUS
A catalogue of the hymenopterous and dipterous parasites of Chilo zonellus (Swinhoe) (Crambidae: Lepidoptera). 12989

Differential resistance of some maize composites, composite crosses, hybrids, and varieties to Chilo zonellus Swinhoe (Crambidae: Lepidoptera). i. 13313

Studies on the susceptibility of different varieties of sorghum, maize and bajra to Chilo zonellus (Swinhoe) under field and cage conditions and the methods of determining it. 13340

CHINA
Aircraft in the agriculture and forestry of Communist China. 13701

CHINCHILLAS
The feeding of griseofulvin in treatment of trichophytosis (ringworm) in chinchillas. 13468

CHIRONOMUS
Molecular basis for the genetic regulation and coordination of the differentiation process. 13148

CHIROTHRIPS
New locality records and a new species of Chirothrips Haliday (Thysanoptera: Thripidae). 12991

CHIROTHRIPS KURDISTANUS
New locality records and a new species of Chirothrips Haliday (Thysanoptera: Thripidae). 12991

CHLORANIL
Chloranil. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iii. fungicides, nematocides, and soil fumigants, rodenticides, and food and feed additives. 395 Z9. 13552

CHLORDANE
Morphological-biological report of the cabbage maggot "Hylemia brassicae (Bch.)" and experiments in chemical control. 13360

The insects injurious to potatoes. 13366

CHLORINATED ALIPHATIC ACIDS
Herbicidal method employing trichlorobenzyloxyalkyl esters of chlorinated aliphatic acids. patent 3,338,703. 13681

CHLORINATED HYDROCARBONS
Topical toxicity of several chlorinated hydrocarbon, organophosphorous, and carbamate insecticides to Lygus hesperus. 13083

Evaluation of insecticides for control of the sugar-beet maggot in Manitoba. 13297

Resistance to organochlorine insecticides in the tuber flea beetle, Epithrix tuberis Gent (Coleoptera: Chrysomelidae), in British Columbia. 13304

Morphological-biological report of the cabbage maggot "Hylemia brassicae (Bch.)" and experiments in chemical control. 13360

Method for inhibiting growth of undesirable plants. patent 3,334,990. 13403

Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510

Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

Removal of chlorinated insecticide residues from milk fat by molecular distillation. 13525

DDT problem at a glance. 13532

A survey of organic chloride impurities in food grade hydrochloric acid. 13537

Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. 13540

Absorption of organochlorine insecticide residues from agricultural soils by root crops. 13544

Metabolism of chlorinated insecticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SH953.P32. 13551

New extraction system for residue analyses. 13565

Toxic hazards from the use of insecticides in the control of Aedes aegypti. 13576

Dynamics of organochlorine insecticides in vertebrates and ecosystems. 13593

The new florisil: a statistical evaluation for chlorinated pesticides. 13633

Herbicidal compositions. patent 3,333,943. 13663

CHLORO-1-(2,4,5-TRICHLOROPHENYL)VINYL DIMETHYL PHOSPHATE, 2-
Metabolism of 2-chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate in the dog and rat. 13575

CHLORO-3,4-DIMETHYLPHENYL N-METHYLCARBAMATE), (6-
Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. 13578

CHLOROACETIC ACID
Contact avicides. patent 3,340,142. 13592

CHLOROETHYL)TRIMETHYLAMMONIUM CHLORIDE, (2-
Plant growth regulant. biochemical behavior of 2-chloroethyl trimethylammonium chloride in wheat and in rats. 13526

Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat foliage. 13560

CHLORONEB
Determination of residues of chloroneb and a metabolite by microcoulometric gas chromatography. 13654

CHLOROTIC LEAFSPOT (APPLES)
Chenopodium quinoa, a herbaceous test plant for chlorotic leaf spot virus in apple. 13260

CHLORTETRACYCLINE
Cleaning experiment on respiratory mycoplasmosis in breeding chickens with chlortetracycline. 13465

CHOLEVA CERRUTII
Note about the Catopidae from Peloponnesus and description of a new Choleva (Cholevopsis) (Col. catopidae). 12955

CHOLINESTERASES
Margin of safety of succinylcholine chloride in horses treated with anticholinesterase pesticides. 13434

Some effects of molecular structure upon anticholinesterase and insecticidal activity of substituted phenyl N-methylcarbamates. 13643

Preparation and biolcgical activity of the isomers of dimethyl-1,3-dicarbomethoxy-1-propen-2-yl phosphate (Homyl). 13649

Some effects of orally administered Ruelene on host sheep and two ectoparasites: the yellow-fever mosquito and the Rocky Mountain wood tick. 13672

CHROMATOGRAPHY
Purification and properties of acid ribonucleases from posterior silk gland of silkworm. 13075

Phospholipids in the haemolymph of desert locust, Schistocerca gregaria Forskal. 13089

Studies on the metabolism of DDT in the desert locust by paper chromatography. 13129

Preparations of aflatoxins and determination of their ultraviolet and fluorescent characteristics. 13488

Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510

Determination of the herbicide Tordon

CHROMOSOMES

(4-amino-3,5,6-trichloropicolinic acid) in soil by electron capture gas chromatography. 13517

Aldrin adsorption by soils and clays. 13521

Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin). 13528

Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage. 13529

Determination of residues of Mobil MC-A-600 (benzo(b)thien-4-yl methylcarbamate) and its hydrolysis product (benzo(b)thiophene-4-ol) in coastal bermuda grass and milk. 13530

Pentachloronitrobenzene residues in potatoes. 13543

Additional cleanup of samples on gLC column for tLC determination of pesticide residues. 13545

Gas chromatographic determination of captan residues. 13550

Determination of terrachlor in crops and soil by electron-capture gas chromatography. 13558

Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat foliage. 13560

Gas chromatographic determination of famphur and its oxygen analog residues in bovine milk, blood, and edible tissues. 13562

New extraction system for residue analyses. 13565

Separation, identification, and measurement of dDT and its metabolites. 13567

A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrus oils. 13569

Report on herbicides and plant growth regulators. 13573

Fate of insecticide residues. decomposition of lindane in soil. 13574

The apparent binding of dDT to tissue components. 13584

Possible reactions for aflatoxin detoxification. 13598

Gas chromatographic measurement of disappearance rates of 2,4-D and 2,4,5-T acids and 2,4-D esters in mice. 13606

Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. 13627

The formation of aflatoxin derivatives. 13636

Gas chromatographic analysis of the insect attractant cue-lure and related compounds. 13637

Determination of piperonyl butoxide by gas chromatography. 13645

Ascending paper chromatography: A way to do it. 13646

Identification of the aldrin artifact. 13653

Determination of residues of chloroneb and a metabolite by microcoulometric gas chromatography. 13654

Separation of aflatoxins by two-dimensional thin-layer chromatography. 13655

The ghs chromatographic determination of organophosphorus pesticides. iI. a comparative study of hydrolysis rates. 13667

Determination of carbaryl and some other carbamates by gas chromatography. 13674

Nickel-63 foil in a standard concentric cell for electron-capture detection. 13691

CHROMOSOMES

Kinetic organization of Lepidoptera chromosomes. 13144

Chromosome formulae of Lepidoptera Rhopalocera from North Africa. 13149

CHRYSANTHEMUM

On heat treatment of Chrysanthemum morilifolium against Puccinia horiana. 13293

CHRYSOMELIDAE

Status of the cereal leaf beetle, Oulema melanopus (L.) Coleoptera: Chrysomellidae in North America. 13379

CICINDELIDAE

Some notes on the Nif. 12959

CIROLEROSUS

Antibiotic cirolerosus and process for producing the same. patent 3,345,262. 13644

CITIES

History of mosquito control in Greater Winnipeg from 1925 to 1966 and an outline of present operations. 13158

CITRUS

A.v.c. agreport. 2. 13191

Field evaluation of Temik against some insects and mites attacking citrus. 13305

Record of the cottony cushion scale, Icerya purchasi Maskell in the Cannanore District of Kerala State in India and its control. 13362

A review of hymenopterous parasites of citrus pest aphids of the world and biological control projects (Hym., Aphidoidea). 13371

Spectrophotometric determination of Temik residues in citrus. 13556

CITRUS OILS

A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrus oils. 13569

CLAY SOILS

Aldrin adsorption by soils and clays. 13521

CLEANUP

Additional cleanup of samples on gLC column for tLC determination of pesticide residues. 13545

CLOSTRIDIUM BOTULINUM

Survival and outgrowth of Clostridium botulinum type E spores in smoked fish. 13504

Use of immunofluorescence and animal tests to detect growth and toxin production by Clostridium botulinum type E in food. 13507

Detection of botulinal toxins by immunodiffusion. 13508

CLOSTRIDIUM PERFRINGENS

Improved medium for sporulation of Clostridium perfringens. 13505

COBALT

Treatment of fruits and the like to inhibit decay. patent 3,347,683. 13486

COBALT ISOTOPES

Effect of gamma irradiation on female Culex pipiens quinquefasciatus. 13125

Inherited partial sterility among survivors from irradiation-eradication experiment. 13154

Effectiveness of gamma irradiation for control of five species of stored-product insects. 13500

COCCIDIOSIS

Influence of artifically induced coccidiosis on the methionine requirement of laying hens. 13419

COCCINELLA SEPTEMPUNCTATA

Fluoroglide as a barrier to contain nonflying insects in glass containers. 13703

COCCINELLIDAE
Fluorcglide as a barrier to contain nonflying insects in glass ccntainers. 13703

CCCCOIDEA
Record cf the cottcny cushicn scale, Icerya purchasi Maskell in the Cannanore District of Kerala State in India and its ccntrol. 13362

CCCBICBCLUS SATIVUS
Influence of substances and soil treatments on the germination cf spores cf Ccchliotclus sativus. 13219

CCELIDIANA
New neotropical Neocoelidiinae with keys to the species cf Coelidiana, Xenoccelidia, and Nelidina (Hcmoptera: Cicadellidae). 12963

CCENZYMES
Proteins and catalase isoenzymes from Fusarium solani and their taxonomic significance. 13617

COFFEE
Variable-dcsage-plct trials with various foliage-applied herbicides cn annual weeds nnder Arabica Coffee in 1965-1966. 13393

COLD
Temperature acclimatien and its influence on the electrical activity of the nervcus system in three species cf ccckrcaches. 13004

Some effects or thermal acclimation on muscle apyrase activity and mitochondrial number in Periplaneta americana and Musca domestica. 13138

COLEOPTERA
Collecticns of aquatic Colecptera larvae in the Ethiopian Region: South Africa and Bhodesia (1959). 12936

Maxillary glands cf some ccleopteran larvae. 13130

Cclecptera infesting stored prcducts. in' Smith, C. n. insect colcnizatien and mass production. gL497.S6. 13495

COLEP
Metabclism cf O-phenyl-O'-(4-nitrophenyl) methylphosphonothicnate (Colep) in plants and animals. 13555

COLLETOTRICHUM LINDEMUTHIANUM
Differential resistance of cell walls of Acer pseudoplatanus, Triticum vulgare, Bordeum vulgare, and Zea mays to polysaccharide-degrading enzymes. 13247

COLOB
Changes of the wing pattern in the moths of the genus Zygaena Fabr. (Lepidcptera, Zygaenidae) obtained by intrapupae injecticns. 13028

Ccmparative studies on reciprccal interchange of the corpora allata between males and females of adult Schistocerca gregaria (Forskal) (Orthoptera: Acrididae). 13106

Effect cf pcpnlatien density on the larval coloration and development of larva and pupa in the larger pellucid hawk mcth, Cephcncdes hylas L (Lepidcptera: Sphingidae). 13115

COLORIMETRY
Colcrimetric determination cf Alar residues in apples. 13539

COMMUNITIES
Separating the rural and urban synanthropic fly faunas. 13171

CCNFERENCES
Disease reports of the Southern Conference on Avian Diseases (SCAD) 1966. 13433

CONOTRACHELUS NENUFBAR
Hibernation of the plum curculic and its spring migration tc hcst trees. 13370

CCNTAINERS
Disposal and decontamination of ag chemical containers. 135BB

CONVENIENCE FOOD
Use of immuncfluorescence and animal tests to detect growth and toxin production by Clostridium botnlinnm type E in food. 13507

COPPER
Nflnence of copper and zinc on the incidence of potato scab. 13217

CORN
Differential resistance of cell walls of Acer pseudoplatanus, Triticum vulgare, Hordeum vulgare, and Zea mays to polysaccharide-degrading enzymes. 13247

Biology of radicolous aphids on maize. 13299

Spectrophotofluorometric determination of 6-methoxy-2-benzoxazolincne, an indicator of resistance to European corn borer in Zea mays. 13308

Host range of larvae of the northern corn rootworm (Coleoptera: Chrysomelidae). 13309

Differential resistance of some maize composites, composite crosses, hybrids, and varieties to Chilo zonellus Swinhoe (Crambidae: Lepidoptera. i. 13313

Studies on the susceptibility of different varieties of sorghum, maize and bajra to Chilo zonellns (Swinhoe) under field and cage conditions and the methods of determining it. 13340

Effect of moistnre content and temperatnre on invasion of stored corn by Aspergillns flavns. 13487

Effect of high-amylose field corn on larval growth and snrvival of five species of stored-grain insects. 13498

Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin). 1352B

Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage. 13529

CORPORA ALLATA
Sexual difference in the activity of the pars intercerebralis--corpns cardiacum--corpus allatum system of Bombyx mori. 13045

Comparative studies on reciprocal interchange of the corpora allata between males and females of adnlt Schistocerca gregaria (Forskal) (Orthoptera: Acrididae). 13106

CORPORA CARDIACA
Sexual difference in the activity of the pars intercerebralis--corpns cardiacum--corpus allatnm system of Bombyx mori. 13045

CORTISONE
Feeder lamb response to cortisone acetate and diethylstilbestrol. 13420

COSMIC RAYS
Action of natural ionizing radiations in Drosophila melanogaster. 13107

COSMOPOLITES SORDIDUS
Contribution to the knowledge on Cosmopolites sordidns (Germar) (Coleoptera, Cnrcnlionidae). i. 129B2

COSTS
Some costs of insect damage and crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13372

Design of a modern meat-packing waste treatment plant. 13519

COTTON
The distribntion and localization of digestive enzymes in the alimentary canal and salivary glands of the cotton stainer, Dysdercus fasciatus. 13072

Physiology of wilt disease. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held

COTTONSEED

May 15-21, 1966, Gramagori, Japan. SE611.E6. 13225

The determination of DDT deposited on cotton plants in an airspray trial in Tanzania. 13286

The pick-up and penetration of ultra-low-volume and emulsifiable concentrate malathion formulations by tobacco budworm larvae. 13301

Effect of treating cotton seed with dieldrin, Abavit B, and aldrin on the emergence of pink bollworm moths. 13341

Comparative effect of the boll weevil on the productivity of Coker 100 cotton in North Carolina. 13351

Effects of nitrogen fertilization on cotton under boll weevil attack in North Carolina. 13352

A preventive boll weevil control program applied to a ten-square-mile area within a treated county. 13353

Control of cotton insects with an insect-collecting machine. 13359

Some new efficient preparations to control thrips and Aphis gossypii on cotton. 13361

Systemic activity of Shell SD-9129 in cotton plants. 13363

Constituents of the cotton bud. IX. further studies on a polar boll weevil feeding stimulant complex. 13374

Control of pink bollworm larvae with soil-applied insecticides. 13378

Distribution of the reniform nematode in relation to crop failure of cotton in Louisiana. 13380

Rate of 2-methyl-2-(methylthio)propion aldehyde O-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. 13535

Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. 13540

DEF. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iv. herbicides. 395 pp. 13554

Uptake, distribution, and metabolism of monuron and diuron by several plants. 13568

Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. 13607

The selection of a solvent for use with low volume aerial spraying of cotton plants. 13611

A flail machine for destroying fallen cotton squares infested with boll weevils. 13693

COTTONSEED
Gas chromatographic determination of captan residues. 13550

COULOMETERS
A survey of organic chloride impurities in food grade hydrochloric acid. 13537

Identification of the aldrin artifact. 13653

COWPEAS
Parathion and methyl parathion residues on cabbage and southern peas. 13546

CRABS
Effects of pesticides on osmoregulatory ability of estuarine fauna. 13600

CREOSOTE
Treatment of ringworm in cattle; deaths following the use of a mixture of creosote and tractor vaporising oil. 13411

CRONARTIUM QUERCUUM
Histology of Cronartium quercuum galls on shortleaf pine. 13238

CROP LOSSES
The essential role of economic-injury population levels. F. J. Simmonds and E. Horber, rapporteurs. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13321

Some costs of insect damage and crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13372

Distribution of the reniform nematode in relation to crop failure of cotton in Louisiana. 13380

Some observations on the probable damage caused by rats in Bombay. 13501

CROP VARIETIES
Effect of soil moisture and soil temperature on black shank disease development in tobacco. 13246

Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease. 13261

Fraser oats. 13279

Comparative effect of the boll weevil on the productivity of Coker 100 cotton in North Carolina. 13351

Comparison of the pathogenicity and development of the Va. 2 isolate of Heterodera glycines on Pickett and Lee soybeans. (abstract). 13387

CROP YIELDS
Yield of glasshouse tomatoes as affected by strains of tobacco mosaic virus. 13266

CROPS
A.v.c. agreport. 2. 13191

Essential role of chemicals in crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13356

Determination of terrachlor in crops and soil by electron-capture gas chromatography. 13558

Fate of trifluralin in soils and plants. 13563

The new florisil: a statistical evalnation for chlorinated pesticides. 13633

CRYOGENICS
Cryogenic storage of conidia of Peronospora tabacina. (abstract). 13214

CRYPTOLESTES FERRUGINEUS
Effectiveness of gamma irradiation for control of five species of stored-product insects. 13500

CUCUMBERS
Electron microscopic observations on haustoria isolated from cucumber leaves infected with powdery mildew. 13223

Systemic insecticides evalnated for two-spotted mite control on greenhouse cucumbers. 13348

CUE-LURE
Gas chromatographic analysis of the insect attractant cue-lure and related compounds. 13637

CULEX
Six new species of the Culex (Lophoceraomyia) mammilifer-group from Thailand (Diptera: Culicidae). 12937

CULEX PIPIENS
Non-dependence of the saturation of depot fat on temperature and photoperiod in a hibernating mosquito. 13050

Non-specificity of the male factor enhancing egg-laying in Diptera. 13079

Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. 13157

New insecticides as nonthermal aerosols for control of adult mosquitoes. 13175

Observations on Culex pipiens larvae infested with Vorticella sp. 13180

CULEX PIPIENS QUINQUEFASCIATUS
A comparative study of larval embryogenesis in the mosquito Culex fatigans Wiedemann (Diptera: culicidae) and the sheep-fly, Lucilia sericata Meigen (Diptera: Calliphoridae). i. description of embryonic development. 13030

Effect of gamma irradiation on female Culex pipiens quinquefasciatus. 13125

The larvicidal activity of several liquid detergents and quaternary ammonium compounds. 13190

CULEX TARSALIS
Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. 13188

CULICIDAE
Taxonomy of Aedes aegypti and related species. 12971

A synoptic catalog of the mosquitoes of the world, supplement III. (Diptera: Culicidae). 12990

Intersexuality in mosquitoes. (Abstract). 13015

Feeding stimuli and artificial feeding. 13046

A simple method of mosquito ovary dissection. 13088

Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. 13157

History of mosquito control in Greater Winnipeg from 1925 to 1966 and an outline of present operations. 13158

Trapping mosquitoes with sound. (abstract). 13159

Seasonal activity of mosquito predators in woodland pools in Ontario. 13161

Responses of Aedes aegypti (L) from Alabama, Georgia and South Carolina to DDT, dieldrin, and malathion. 13164

The egg-laying habits of Aedes aegypti (Linnaeus) in central Texas. 13165

Aedes aegypti and other mosquitos in relation to the dengue syndrome. 13168

Resistance to insecticides in Aedes aegypti and related species. 13173

Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, Aedes sollicitans (Walker) and Aedes taeniorhynchus (Wiedemann), in Florida. 13174

New insecticides as nonthermal aerosols for control of adult mosquitoes. 13175

Preliminary observations on the incidence and biology of a mermithid nematode of Aedes sollicitans (Walker) in Louisiana. 13177

Observations on Culex pipiens larvae infested with Vorticella sp. 13180

Laboratory and field investigations of mosquito populations associated with oxidation lagoons in Missouri. 13185

Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. 13188

The larvicidal activity of several liquid detergents and quaternary ammonium compounds. 13190

Problems in WHO on pesticide residues. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. sB953.P32. 13570

Insecticidal and fungicidal usage of beta-arylamino cinnamoyl compounds. patent 3,355,351. 13659

How we modified a back pack sprayer for ULV insecticide applications. 13694

CULICOIDES
Observations on larval habitats and the winter bionomics of some common species of Culicoides (Diptera: Ceratopogonidae) in the central Columbian Basin. 12986

CULISETA MELANURA
Interruption of diapause and rearing larvae of Culiseta melanura (Coq). 13055

CULTURE MEDIA
In vitro hatching of Gastrophilus intestinalis larvae. 13009

Selective media to distinguish between two Botrytis species on onion. 13253

Cultivation of avian encephalomyelitis virus in vitro. 1. in chick embryo neuroglial cell culture. 13431

Improved medium for sporulation of Clostridium perfringens. 13505

CURCULIONIDAE
A taxonomic separation of larvae of the genus Sitophilus by head capsule morphology (Coleoptera: Curculionidae). 12957

CUTICLE
Study of the reconstitution of the cuticle as a result of of a tegumentary excision in Locusta migratoria. 13110

CUTIN
Chemical and physical nature of plant cuticles in relation to the deposition and penetration of pesticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965 SB953. P32. 13623

CYANOHYDRINS
Contact avicides. patent 3,340,142. 13592

CYCASIN
Cancer inducing agents. 13444

CYCLOPENTADIENYLIMINES
Cyclopentadienylimines microbicide. patent 3,328,242. 13679

CYCLOPROPYL CARBANILATES
Herbicidal composition and method employing substituted carbanilates. patent 3,333,947. 13647

CYNODON DACTYLON
Determination of residues of Mobil MC-A-600 (benzo(b)thien-4-yl methylcarbamate) and its hydrolysis product (benzo(b)thiophene-4-ol) in coastal bermuda grass and milk. 13530

CYPERACEAE
Natural enemies of rust fungi in the tropics. (abstract). 13221

CYSTINE
Nutritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, Bombyx mori. 13062

CYSTS
The effect of various factors on larval emergence from cysts of Heterodera glycines. 13390

CYTOGENETICS
Formal genetics and cytogenetics of Aedes aegypti. 13145

Cytogenetics of Aedes aegypti. 13153

C14
Techniques used in the application of a 14C labelled herbicide. in: isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.S9. 13610

D, 2,4-
Hazards of herbicide drift. 13586

Gas chromatographic measurement of disappearance rates of 2,4-D and 2,4,5-T acids and 2,4-D esters in mice. 13606

The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of 14C-labelled organic acids by pea root tips. 13620

DACUS CUCURBITAE
Newly recognized hosts of the oriental fruit fly, melon fly, and Mediterranean fruit fly. 13355

DACUS DORSALIS

Gas chromatographic analysis of the insect attractant cue-lure and related compounds. 13637

DACUS DORSALIS
Newly recognized hosts of the oriental fruit fly, melon fly, and Mediterranean fruit fly. 13355

DATURA FEROX
Techniques used in the application of a 14C labelled herbicide. in: isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.S9. 13610

DDT
Studies on the metabolism of DDT in the desert locust by paper chromatography. 13129

Responses of Aedes aegypti (L) from Alabama, Georgia and South Carolina to DDT, dieldrin, and malathion. 13164

The determination of DDT deposited on cotton plants in an airspray trial in Tanzania. 13286

Resistance to organochlorine insecticides in the tuber flea beetle, Epitrix tuberis Gent (Coleoptera: Chrysomelidae), in British Columbia. 13304

Evaluation in the greenhouse of a new insecticide for bollworm control. 13345

A preventive boll weevil control program applied to a ten-square-mile area within a treated county. 13353

A preventive boll weevil control program applied to a ten-square-mile area within an untreated county. 13354

Morphological-biological report of the cabbage maggot "Hylemia brassicae (Bch.)" and experiments in chemical control. 13360

The insects injurious to potatoes. 13366

Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510

Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

DDT problem at a glance. 13532

Problems with DDT in fish culture operations. 13536

Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. 13540

Distribution of p,p'-DDT residues in adipose and muscle tissues of beef cattle. 13564

Separation, identification, and measurement of dDT and its metabolites. 13567

Problems in WHO on pesticide residues. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. sB953.P32. 13570

Distribution of heptachlor residues in pond ecosystems in southwestern Virginia. 13572

Studies of DNA, RNA, and protein synthesis in Hela S cells exposed to DDT and dieldrin. 13581

The apparent binding of dDT to tissue components. 13584

Dynamics of organochlorine insecticides in vertebrates and ecosystems. 13593

DDT-INDUCED metabolic changes in rat liver. 13595

The selection of a solvent for use with low volume aerial spraying of cotton plants. 13611

Biochemical investigations into the effect of DDT on barley. 13622

Ascending paper chromatography: A way to do it. 13646

DECOMPOSITION
Photodecomposition of dieldrin and aldrin. 13056

Fate of 2-methyl-2-(methylthio)propion aldehyde O-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. 13535

Review of the metabolism and decomposition of diquat and paraquat. 13541

Influence of physicochemical properties on biodegradability of phenylcarbamate herbicides. 13549

Fate of trifluralin in soils and plants. 13563

Uptake, distribution, and metabolism of monuron and dinron by several plants. 13568

Fate of insecticide residues. decomposition of lindane in soil. 13574

Metabolism of 2-chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate in the dog and rat. 13575

Gas chromatographic measurement of disappearance rates of 2,4-D and 2,4,5-T acids and 2,4-D esters in mice. 13606

Amitrole decomposition by free radical-generating systems and by soils. 13657

DECONTAMINATION
Secretary Freeman announces pesticide decontamination program. 13511

Disposal and decontamination of ag chemical containers. 13588

DEFICIENCY DISEASES
The comparative effects of vitamin deficiency on development and on adult fecundity of Tribolium castaneum. 13005

Dietary amino acid and nucleic imbalance leading to altered tumour fregnency in the adult housefly, Musca domestica. 13013

Selenium in crops in the United States in relation to selenium-responsive diseases of animals. 13429

Vitamin A deficiency in young cattle. 13450

The effects of diet on reproduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. 13454

Destruction of rachitogenic activity of isolated soybean protein by autoclaving as demonstrated with turkey poults. 13458

DEFOLIANTS
DEF. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iv. herbicides. 395 Z9. 13554

DEFOLIATION
Simulated Nantucket pine tip moth attacks reduce root development of shortleaf pine seedlings. 13317

Process for plant defoliation. patent 3,359,092. 13614

DEGRADATION
Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

Separation, identification, and measurement of dDT and its metabolites. 13567

Degradation of aromatic amino acids by fungi. iI. purification and properties of phenylalanine ammonia-lyase from Ustilago hordei. 13628

Possible appearance of degradation products of paraquat in crops. in: Isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.S9. 13629

DEHYDROGENASES
Dehydrogenase in carbohydrate metabolism in larvae of the silkworm, Bombyx mori L. 13059

DENDROCTONUS FRONTALIS
Southern pine beetles. in: smith, C. n. insect colonization and mass production. gL497.S6. 13314

DENDROCTONUS CRESUS
Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SB996 .W6K6. 13342

DENGUE (MAN)
Aedes aegypti and other mosquitos in relation to the dengue syndrome. 13168

DEOXYRIBONUCLEIC ACID
Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. 13581

DERMACENTOR ANDERSONI
Some effects of orally administered Ruelene on host sheep and two ectoparasites: the yellow-fever mosquito and the Rocky Mountain wood tick. 13672

DERMAPTERA
Records of the orthopteroid insects in Ontario. 12994

DERMATITIS
Low incidence of staphylococcal dermatitides in animals with high incidence of staphylococcus aureus. 1. preliminary study of cats. 13421

DESUCKERING
Fatty alcohol inhibition of tobacco auxiliary and terminal bud growth. 13630

DETERGENTS
The larvicidal activity of several liquid detergents and quaternary ammonium compounds. 13190

Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553

DETOXIFICATION
Possible reactions for aflatoxin detoxification. 13598

DIABROTICA BALTEATA
A semisynthetic diet for adult banded cucumber beetles. 13025

Mass rearing banded cucumber beetles, with notes on rearing spotted and striped cucumber beetles. 13027

DIABROTICA LONGICORNIS
Host range of larvae of the northern corn rootworm (Coleoptera: Chrysomelidae). 13309

DIABROTICA UNDECIMPUNCTATA
Mass rearing banded cucumber beetles, with notes on rearing spotted and striped cucumber beetles. 13027

DIAGNOSIS
The diagnosis of helminthiasis in horses. 13480

DIAMINO-1,2,3,4-TETRABALOCYCLOPENTADIENE, 5,5-
Method of controlling microbes by means of tetrahalocyclopentadienyldiamines. patent 3,341,405. 13680

DIAPAUSE
Interruption of diapause and rearing larvae of Culiseta melanura (Coq). 13055

A contribution to the knowledge of the diapause in Perillus bioculatus (Fabr) (Heteroptera, Pentatomidae). 13063

DIATRAEA SACCHARALIS
Effect of endrin and trichlorfon applied in artificial diet against larvae of sugar-cane borer Diatraea saccharalis (F.) (Lep., Pyralidae). 13049

Inherited partial sterility among survivors from irradiation-eradication experiment. 13154

DIAZINON
Resistance to organochlorine insecticides in the tuber flea beetle, Epithrix tuberis Gent (Coleoptera: Chrysomelidae), in British Columbia. 13304

Control of pink bollworm larvae with soil-applied insecticides. 13378

Rapid method for surface residues of organophosphorus pesticides by total phosphorus. 13531

Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553

DICAMBA
Distribution and excretion of dicamba by rats as determined by radiotracer technique. 13599

DICHLORO-2,2-BIS(P-CHLOROPHENYL) ETHYLENE, 1,1-
Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. 13540

Distribution of p,p'-DDT residues in adipose and muscle tissues of beef cattle. 13564

The apparent binding of dDT to tissue components. 13584

DICHLORO-3-(4-CHLOROPHENYL)SALICYLANILIDE, 4'-5-
Evaluation in the greenhouse of a new insecticide for bollworm control. 13345

DICOSMOECUS FRONTALIS
A new synonymy in the Trichoptera. 12950

DIEBACK (ULMUS)
Factors determining resistance of elms to Ceratocystis ulmi. 13227

DIELDRIN
Insecticide mode of action. effect of dieldrin on ion movement in the nervous system of Periplaneta americana and Blattella germanica cockroaches. 13054

Photodecomposition of dieldrin and aldrin. 13056

Responses of Aedes aegypti (L) from Alabama, Georgia and South Carolina to DDT, dieldrin, and malathion. 13164

Resistance to organochlorine insecticides in the tuber flea beetle, Epithrix tuberis Gent (Coleoptera: Chrysomelidae), in British Columbia. 13304

Effect of treating cotton seed with dieldrin, Abavit B, and aldrin on the emergence of pink bollworm moths. 13341

Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510

Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

Toxicity evaluation of a technique for introducing dieldrin into water. 13580

Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. 13581

The retention of triphenyltin and dieldrin and its relevance to the toxic effects of multiple dosing. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. S953.P32. 13585

Dynamics of organochlorine insecticides in vertebrates and ecosystems. 13593

DIESEL FUELS
Behavior of 14-C-labelled diesel oil in different soils. in: Isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. s589.S9. 13518

DIET
Effects on light and sugars on rearing the cotton aphid, Aphis gossypii, on a germ-free and holidic diet. 13006

Nutritional relationships in larvae of Oryzaephilus surinamensis. 13031

A completely defined synthetic diet for ants (Hym., Formicidae). 13038

Gustation of dietary amino acids by the aphid Myzus persicae. 13091

Effect of amino acid and sugar concentrations on the food uptake of the aphid Myzus persicae. 13092

DIETHYLSTILRESTBOL

Fatty acid composition of the diet and larvae and biosynthesis of fatty acids frcm 14C-acetate in the cabbage lcoper, Trichoplusia ni. 13D98

The relaticnship of the fatty acid composition of Heliothis zea larvae to that of its diet. 13117

The effects of diet cn reprcduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. 13454

Metabolism of radicactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low lcrage diets. 13548

DIETHYLSTILRESTBOL
Fceder lamt respcnse to cortisonc acetate and diethylstilbestrol. 1342D

DIGESTICN
Experimental evidence for a hormonal control of digestion in the tsetse fly, Glossina morsitans Westwood: a study of the larva, pupa, and teneral adult fly. 13077

DIMETBCATE
Determinaticn of rogor and cidial by the isotope dilution method. in: Badioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SE953.B32. 13524

DIMETBYL SDLFCXIDE
Reactions of peach trees and peach tree viruses to treatment with dimethyl sulfcxide and cther chemicals. 13262

DIMETBYL 3-HYDBOXYGLUTACONATE DIMETBYL PHOSPBATE
Preparation and hiclogical activity of the isomers of dimethyl-1,3-dicarhomethoxy-1-propen-2-yl phosphate (Bomyl). 13649

DIPLCCABPCN BCSAE
Black spot cf rose (Marssonia rcsae Lib.). 13291

DIPLOPODA
On the cccurrence and ccntrcl cf Rarpurostreptus sp. a new millepede pest of cultivated crops in Kerala. 13318

DIPTEBA
Ncn-specificity of the male factor enhancing egg-laying in Diptera. 13079

The danger-index cf the synanthropic flies. 13170

Separating the rural and urban synanthropic fly faunas. 13171

DIQDAT
Bevicw of the metabolism and decomposition of diqnat and paraquat. 13541

Adsorption of bipyridylium herbicides in soil. 13571

DISSECTIOB
A simple methcd cf mosquito cvary dissection. 13088

DISDLFOTON
Control of pink bollworm larvae with soil-applied insecticides. 13378

DIDBNAL BBYTBM
The circadian flight activity of the mosquito Anopheles gambiae: phase setting by the light regime. 13068

DIDBON
Dptake, distributicn, and metabclism of monuron and dinron by several plants. 13568

DOGS
Distemper immunisation. 13418

A rapidly growing fibrosarcoma in a four-month old retriever puppy. 13438

Acuaria spirales (dispharynx-nasuta) in a dog. 13472

Metabolism of 2-chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate in the dog and rat. 13575

Anatomopathological study of lesions caused by intramuscular injection of hydrochlcride and phosphate complex of tetracycline. 13582

Studies on experimental poisoning of agricultural chemicals in dogs. 1. experimental poisoning of lowly toxic raticide in dogs. 13587

DOBCADIONINI
A new dorcadion frcm Greece (Col. cerambycidae). 12938

DOSAGE
Insecticide hormoligosis. 13086

Insecticides for use against Aedes aegypti. 13181

Variable-dosage-plot trials with various foliage-applied herbicides cn annual weeds under Arabica Coffee in 1965-1966. 13393

DROSOPHILA
Evolution of xanthide dehydrogenase in Drosophila. 13D36

Senita cactus alkaloids: Their significance to Sonoran Desert Drosophila ecology. 13073

DROSOPHILA MELANOGASTER
Anisic acid esters as knockdown agents. 13008

Studies on natural populations. VI. competition between Drosophila melanogaster and Drosophila simulans. 13D34

Respiration in Drosophila melanogaster in the course of metamorphosis. effect of puparium formation, nymphal molting, and of emergence. 13044

Use of lethal temperature in the study of effects of thermal treatments on the development of several primary sexual characters in the triploid intersexed Drosophila melanogaster Meig. 13078

Non-specificity of the male factor enhancing egg-laying in Diptera. 13079

Action of natural icnizing radiaticns in Drosophila melanogaster. 13107

The wild type phenocopy of the rosy mutant of Drosophila melanogaster and its relation to xanthine dehydrogenase activity. 1312D

Influence of age on ovarian function in Drosophila melanogaster. 13140

Inheritance of ether resistance in Drosophila melanogaster. 13152

Persistence of lethal genes associated with SD in natural populations cf Drosophila melanogaster. 13155

Bioassay of insecticides for control of Drosophila melanogaster. 13369

The use of Folsomia fimetaria and Drosophila melanogaster as test insects for the detection of insecticide residues. 13566

DBOSOPHILA SIMDLANS
Studies on natural populaticns. VI. competition between Drosophila melanogaster and Drosophila simulans. 13034

DBDG TBERAPY
Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. 13412

The feeding of griseofulvin in treatment of trichophytosis (ringworm) in chinchillas. 13468

DBDGS
Russian drug index. ed. 2. RS91 .J3. 13638

Antibiotic product and process of producing same. patent 3,328,248. 13658

Pharmaceutical compositions and methods utilizing 2-aminoadamantane and its derivatives. patent 3,328,251. 13671

DBY ROT (POTATOES)
The Phoma organisms causing gangrene of potatoes. 13212

DUCKS
Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutaric acid, and arginine supplementation. 13412

Comparative titration of eastern encephalitis virus in cell suspension and in cultures of duck embryo fibroblasts. 13423

Indirect hemagglutination with duck hepatitis virus. 13455

DWARF DISEASE (RICE)
Some properties of the double-standard RNA of rice dwarf virus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, gamagori, Japan. SB611.C6. 13276

DYES
Analysis of spray deposits on cards dyed with Sudan Black BR: their preparation and use. 13702

DYSDERCUS FASCIATOS
The distribution and localization of digestive enzymes in the alimentary canal and salivary glands of the cotton stainer, Dysdercus fasciatus. 13072

EARIAS INSULANA
The susceptibility of four varieties of okra, Hibiscus esculentus L, to cotton bollworms infestation (Lepidoptera: Acontiidae and Gelechiidae). 13368

ECHINOCOCCOS GRANULOSOS
Further analysis of the factors controlling strobilization, differentiation, and maturation of Echinococcus granulosus in vitro. 13482

ECOLOGY
Ecology of plant pathogens in soil. VII. mathematical models and inoculum density. 13205

Nature of agrobiocoenosis and significance to integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13306

Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13327

Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SB996 .W6K6. 13342

Distribution of heptachlor residues in pond ecosystems in southwestern Virginia. 13572

Dynamics of organochlorine insecticides in vertebrates and ecosystems. 13593

ECONOMICS
II. Brucellosis in Britain--The problem: Control: Eradication. 13448

Pest control's 7th annual industry economic forecast fast track for '68. 13704

EDUCATION
Florida chemical communication pilot project. 13707

EGGPLANT
External morphology and life-history of the egg-plant stem borer, Euzophora osseatella Treit. (Lepidoptera: Pyralidae). 13329

EGGS
Cleaning experiment on respiratory mycoplasmosis in breeding chickens with chlortetracycline. 13465

ELATERIDAE
Phytotoxicity and wireworm-control efficacy of insecticidal dressings applied to cereal seed up to a year before planting. 13310

ELECTRIC FIELDS
Insect control with high frequency electric fields. 13499

ELECTRON CAPTURE
Determination of the herbicide Tordon (4-amino-3,5,6-trichloropicolinic acid) in soil by electron capture gas chromatography. 13517

Nickel-63 foil in a standard concentric cell for electron-capture detection. 13691

ELECTRON MICROSCOPY
Electron microscopy of plant viruses; bibliography 1939-1965. 13213

Electron microscopic observations on haustoria isolated from cucumber leaves infected with powdery mildew. 13223

Electron microscopy of a plant-parasitic nematode, Pratylenchus penetrans. (abstract). 13385

ELECTRONS
The effect of 4-hydroxy-3,5-diiodobenzonitrile (ioxynil) on respiratory electron transport in Vicia faba L. 13400

ELECTROPHORESIS
The nature of haemolymph proteins in relation to the ovarian cycle in the viviparous cockroach, Nauphoeta cinerea. 13002

Changes in electrophoretic properties of haemolymph and terminal oocyte proteins during vitellogenesis in the American cockroach. 13100

Disk electrophoresis of body fluids in cattle with eosinophilic myositis. 13456

Proteins and catalase isoenzymes from Fusarium solani and their taxonomic significance. 13617

EMULSIONS
The pick-up and penetration of ultra-low-volume and emulsifiable concentrate malathion formulations by tobacco budworm larvae. 13301

A preventive boll weevil control program applied to a ten-square-mile area within an untreated county. 13354

Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. 13607

ENCEPHALITIS
Comparative titration of eastern encephalitis virus in cell suspension and in cultures of duck embryo fibroblasts. 13423

ENCLOSURES
Travel of nitrogen in soils. 13516

ENCYRTIDAE
Research of Hymenoptera Chalcidoidea. VI. genera and species new to the Italian entomofauna (Encyrtidae, Aphelinidae, Mymarommidae). 12996

ENDOCRINE GLANDS
Sexual difference in the activity of the pars intercerebralis--corpus cardiacum--corpus allatum system of Bombyx mori. 13045

ENDOSULFAN
The influence of a sub-acute infection of polyhedrosis virus in the cabbage looper on susceptibility to chemical insecticides. 13047

ENDOTOXINS
Endotoxin studies in chicks. 13460

ENDRIN
The influence of a sub-acute infection of polyhedrosis virus in the cabbage looper on susceptibility to chemical insecticides. 13047

Effect of endrin and trichlorfon applied in artificial diet against larvae of sugar-cane borer Diatraea saccharalis (F.) (Lep., Pyralidae). 13049

Development of resistance by the tobacco budworm to endrin and carbaryl. 13296

Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

ENVIRONMENT
Secretary Freeman announces pesticide decontamination program. 13511

Unintentional biological effects of pesticide application. (Summary). in: FAO symposium on integrated pest control, Rome, 1965. Proceedings. SB951. F62. 13547

ENZYMES

ENZYMES
The distribution and localization of digestive enzymes in the alimentary canal and salivary glands of the cotton stainer, Dysdercus fasciatus. 13072

The wild type phenocopy of the rosy mutant of Drosophila melanogaster and its relation to xanthine dehydrogenase activity. 13120

Structure, fatigue, and enzyme activities in 'fast' insect muscles. 13123

Alteration of cell wall components during pathogenesis by Rhizoctonia solani. in: Mirocha, C. j., and Uritani, i., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, gamagori, Japan. sE611.C6. 13208

Differential resistance of cell walls of Acer pseudo-platanus, Triticum vulgare, Hordeum vulgare, and Zea mays to polysaccharide-degrading enzymes. 13247

Role of parasite enzyme and toxins in development of characteristic symptoms in plant disease. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sH611.C6. 13255

Influence of host-parasite interactions on proteins enzymes, and resistance. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceeding, conference held May 15-21, 1966, Gamagori Japan. sH611.C6. 13274

The relation of metabolic changes in infected plants to changes in enzymatic activity. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966. sB611.C6. 13282

Influence of physicochemical properties on biodegradability of phenylcarbamate herbicides. 13549

DDT-INDUCED metabolic changes in rat liver. 13595

Studies on the regulation of cellulase activity and growth in excized pea epicotyl sections. 13615

Degradation of aromatic amino acids by fungi. iI. purification and properties of phenylalanine ammonia-lyase from Ustilago hordei. 13628

EOSINOPHILIC MYOSITIS
Disk electrophoresis of body fluids in cattle with eosinophilic myositis. 13456

EPIDEMIC HEMORRHAGIC FEVER
Aedes aegypti and haemorrhagic fever. 13178

EPILACHNA VARIVESTIS
Azobenzene carbamates as insecticides. 13069

EPITHELIUM
Influence of certain exoascids on development of the epidermis and the foliar stomatic apparatus of their hosts. 13224

EPITRIX TUBERIS
Resistance to organochlorine insecticides in the tuber flea beetle, Epithrix tuberis Gent (Coleoptera: Chrysomelidae), in British Columbia. 13304

EPIZOOTIC DISEASES
The use of salmonella vaccine in outbreaks of salmonellosis in sheep. 13410

EQUINE INFLUENZA
Diagnosis and prevention of equine respiratory diseases. 13446

EQUINE BRONCHOPNEUMONITIS
Diagnosis and prevention of equine respiratory diseases. 13446

EQUIPMENT
A foot-controlled device using carbon dioxide for the anesthetization of insects. 13690

A flail machine for destroying fallen cotton squares infested with boll weevils. 13693

A versatile, highly sensitive activity recorder for insects. 13696

A pressure paint tank modified for use as a dispenser for insect diets. 13699

ERADICATION
Training aspects of the United States sponsored Aedes aegypti and malaria eradication programs. 13706

ERIOISCHIA BRASSICAE
Formation of sexuparae in the aphid, Eriosoma pyricola, on pear roots. 13122

ERIOSOMA PYRICOLA
Formation of sexuparae in the aphid, Eriosoma pyricola, on pear roots. 13122

ERWINIA HERBICOLA
Bacterial phloem canker, a new disease of Persian walnut trees. 13290

ESCHERICHIA COLI
Endotoxin studies in chicks. 13460

ESTERS
Anisic acid esters as knockdown agents. 13008

ETHANOLAMINE
The calcium-stimulated incorporation of ethanolamine and serine into the phospholipids of the housefly Musca domestica. 13026

ETHYL ACETATE
The egg-laying habits of Aedes aegypti (Linnaeus) in central Texas. 13165

ETHYL ETHER
Inheritance of ether resistance in Drosophila melanogaster. 13152

ETHYL PARATHION
Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553

Low volume spraying superior, less expensive for planes in Bakersfield, California, district. 13695

ETHYLENE
Process for plant defoliation. patent 3,359,092. 13614

ETHYLENE DIBROMIDE
Effect of ethylene dibromide fumigated feed on animals. sF97.B6. 13579

ETHYLENE OXIDE
Ethylene oxide against the greater wax moth. 13082

EULOPHIDAE
Research of Hymenoptera Chalcidoidea. vI. genera and species new to the Italian entomofauna (Encyrtidae, Aphelinidae, Mymarommidae). 12996

EUZOPHERA OSSEATELLA
External morphology and life-history of the egg-plant stem borer, Euzophora osseatella Treit. (Lepidoptera: Pyralidae). 13329

EVALUATION
Field evaluation of Temik against some insects and mites attacking citrus. 13305

Systemic insecticides evaluated for two-spotted mite control on greenhouse cucumbers. 13348

Variable-dosage-plot trials with various foliage-applied herbicides on annual weeds under Arabica Coffee in 1965-1966. 13393

Screening trial of pre-emergence herbicides in dwarf beans, 1964. 13395

EVOLUTION
Evolution of xanthide dehydrogenase in Drosophila. 13036

EXCRETA
Cortisol and growth in insects. 13093

Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. 13578

Absorption, metabolism, and excretion of tritium-labeled famphur in the sheep and calf. 13583

Distribution and excretion of dicamba by rats as determined by radiotracer technique. 13599

EXPERIMENTAL DESIGN
The balanced lattice as an experimental design for testing large numbers of plants for feeding preferences of white-fringed beetles. 13338

EXPERIMENTAL INSECTS
Anisic acid esters as knockdown agents. 13008

The establishment of reference and marker strains and their shipment. 13104

The need for standard and other strains of Aedes aegypti for research. 13124

Grasshoppers. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13316

Fluoroglide as a barrier to contain nonflying insects in glass containers. 13703

EXTRACTION
Note on the effect of sample moisture content on extraction of TDE from kale. 13533

New extraction system for residue analyses. 13565

EXTRACTS
Non-specificity of the male factor enhancing egg-laying in Diptera. 13079

FAMPHUR
Gas chromatographic determination of famphur and its oxygen analog residues in bovine milk, blood, and edible tissues. 13562

Absorption, metabolism, and excretion of tritium-labeled famphur in the sheep and calf. 13583

FANNIA CANICULARIS
Predation by Fuscuropoda vegetans (Acarina: Dropodidae) and Macrocheles muscaedomesticae (Acarina: Macrochelidae) on the eggs of the little house fly, Fannia canicularis. 12975

FASCIOLA HEPATICA
The interpretation of faecal egg-counts. iV. the influence of faecal consistency and dry matter content on Fascicla hepatica egg-counts in cattle. 13475

The interpretation of faecal egg-counts. v. a further note on single and multiple sampling in the detection of parasitic infections. 13476

FAT BODY
Non-dependence of the saturation of depot fat on temperature and photoperiod in a hibernating mosquito. 13050

FATIGUE (PHYSIOLOGICAL)
Structure, fatigue, and enzyme activities in 'fast' insect muscles. 13123

FATTY ACIDS
Fatty acid composition of the silkworm, Bombyx mori L. 13095

Fatty acid composition of the diet and larvae and biosynthesis of fatty acids from 14C-acetate in the cabbage looper, Trichoplusia ni. 13098

The relationship of the fatty acid composition of Heliothis zea larvae to that of its diet. 13117

FECES
Effect of food plants on colour, structure and size of faecal pellets of the desert locust, Schistocerca gregaria Forsk. 13012

The interpretation of faecal egg-counts. iV. the influence of faecal consistency and dry matter content on Fasciola hepatica egg-counts in cattle. 13475

The interpretation of faecal egg-counts. v. a further note on single and multiple sampling in the detection of parasitic infections. 13476

Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548

Metabolism of C-14-endothall in rats. 13597

FEED ADDITIVES
Feeder lamb response to cortisone acetate and diethylstilbestrol. 13420

The feeding of griseofulvin in treatment of trichophytosis (ringworm) in chinchillas. 13468

FEED CONTAMINATION
Problems with DDT in fish culture operations. 13536

Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548

Effect of ethylene dibromide fumigated feed on animals. sF97.E6. 13579

FEED GRAINS
Taste preferences in rodenticide development. 13635

FEED SUPPLEMENTS
Egg production of house-fly, adults fed human blood containing various supplements. 13163

Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. 13412

FEEDING
Some consequences of copulation in Rhodnius prolixus. 13029

Feeding behaviour. 13033

Feeding stimuli and artificial feeding. 13046

Normal differential counts of haemocytes in relation to ecdysis and feeding in Rhodnius. 13066

The balanced lattice as an experimental design for testing large numbers of plants for feeding preferences of white-fringed beetles. 13338

FELINE INFECTIOUS ENTERITIS
Feline panleucopaenia virus. in vitro comparison of strains with a mink enteritis virus. 13424

FENTHION
Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. 13157

ULV aerial insecticide application for adult mosquito control. 13166

Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, Aedes sollicitans (Walker) and Aedes taeniorhynchus (Wiedemann), in Florida. 13174

Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. 13188

FERTILITY
Fertilization in the two-spotted spider mite (Tetranychus urticae: Acari). 13003

The comparative effects of vitamin deficiency on development and on adult fecundity of Tribolium castaneum. 13005

Factors affecting adult survival and fecundity in Lasioderma serricorne (F.) (Coleoptera, Anobiidae). 13081

Egg production of house-fly, adults fed human blood containing various supplements. 13163

Host range of larvae of the northern corn rootworm (Coleoptera: Chrysomelidae). 13309

FERTILIZATION (PLANTS)

FERTILIZATION (PLANTS)
Effects of nitrogen fertilization on cotton under boll weevil attack in North Carolina. 13352

FIBROSARCOMA
A rapidly growing fibrosarcoma in a four-month old retriever puppy. 13438

FIELD CROPS
Lygus bugs. in: Smith, fc. r. insect colonization and mass production. gL497.S6. 13307

Insects of the season 1966 related to fruit, vegetables and ornamentals. 13325

The selective advantage accruing to lygus bugs that cause blasting of floral parts. 13373

Economically important nematodes in Ontario, 1966.. 13391

FILARIASIS
On the role of Japanese mosquitoes especially of Culex pipiens pallens in the transmission of Bancroftian filariasis. in: Progress of medical parasitology in Japan, vol. 3. k. morishita,Y. komiya, and H. matsuhayashi, editors. 423 M823. 13176

FILTERS
A buried membrane filter method for studying behavior of soil fungi. 13198

FISH
Survival and outgrowth of Clostridium botulinum type E spores in smoked fish. 13504

Problems with DDT in fish culture operations. 13536

Effects of pesticides on osmoregulatory ability of estnarine fauna. 13600

Retention of vaporized lindane by plants and animals. 13602

FLAVONOIDS
Toxicity of some goldenrods. 13605

FLORISIL PB
The new florisil: a statistical evaluation for chlorinated pesticides. 13633

FLUORESCENCE
Preparations of aflatoxins and determination of their ultraviolet and fluorescent characteristics. 13488

FLUORESCENT ANTIBODY TECHNIC
Use of immunofluorescence and animal tests to detect growth and toxin production by Clostridium botulinum type E in food. 13507

FLUOROCARBON RESINS
Fluoroglide as a barrier to contain nonflying insects in glass containers. 13703

FLUOROMETRY
Spectrophotofluorometric determination of 6-methoxy-2-benzoxazolinone, an indicator of resistance to European corn borer in Zea mays. 13308

FOLSOMIA FIMETARIA
The use of Folsomia fimetaria and Drosophila melanogaster as test insects for the detection of insecticide residues. 13566

FOOD
Some observations on the probable damage caused by rats in Bombay. 13501

FOOD ADDITIVES
Biochemical toxicology. 13604

FOOD ANALYSIS
Use of immunofluorescence and animal tests to detect growth and toxin production by Clostridium botulinum type E in food. 13507

Detection of botulinal toxins by immunodiffusion. 13508

Ascending paper chromatography: A way to do it. 13646

FOOD CONTAMINATION
Salmonellae associated with further-processed turkey products. 13503

Survival and outgrowth of Clostridium botulinum type E spores in smoked fish. 13504

Improved medium for sporulation of Clostridium perfringens. 13505

Use of immunofluorescence and animal tests to detect growth and toxin production by Clostridium botulinum type E in food. 13507

Detection of botulinal toxins by immunodiffusion. 13508

The joint FAO/ WHO programme on the toxicity of pesticide residues in food. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 april 1965. sB953.P32. 13523

Method of activation analysis for mercury in the biosphere and in foods. An addendum. in: Radioisotopes in the detection of pesticide residues: proceedings of a panel Vienna, 12-16 1965. sB953.P32. 13534

A survey of organic chloride impurities in food grade hydrochloric acid. 13537

A report on residues in food. 13538

Additional cleanup of samples on gLC column for tLC determination of pesticide residues. 13545

Unintentional biological effects of pesticide application. (Summary). in: FAO Symposium on integrated pest control, Rome, 1965. Proceedings. SB951. P62. 13547

Chloranil. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iii. fungicides, nematocides. and soil fumigants, rodenticides, and food and feed additives. 395 Z9. 13552

Problems in WHO on pesticide residues. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. sB953.P32. 13570

Ascending paper chromatography: A way to do it. 13646

FOOD MOISTURE
Note on the effect of sample moisture content on exraction of TDE from kale. 13533

FOOD PLANTS
Further records of New Jersey aphids (Homoptera: Aphididae). 12968

Effect of food plants on colour, structure and size of faecal pellets of the desert locust, Schistocerca gregaria Forsk. 13012

Food plants of Japanese Symphyta. i. 13101

Factors affecting transmission of tristeza virus by melon aphids. 13254

Host range of larvae of the northern corn rootworm (Coleoptera: Chrysomelidae). 13309

Host-plant preference of the alfalfa weevil in the field. 13312

The balanced lattice as an experimental design for testing large numbers of plants for feeding preferences of white-fringed beetles. 13338

Newly recognized hosts of the oriental fruit fly, melon fly, and Mediterranean fruit fly. 13355

New host records for North American fruit flies (Diptera: Tephritidae). 13357

Morphological-biological report of the cabbage maggot "Hylemia brassicae (Bch.)" and experiments in chemical control. 13360

Status of the cereal leaf beetle, Oulema melanopus (L.) Coleoptera: Chrysomellidae in North America. 13379

FOOD SPOILAGE
How fungi attack material. 13485

FOOD SUPPLY
Food and health - the safe use of pesticides. 13577

FORAGE PLANTS
Influence of sprinkler irrigation and four forage crops on populations of soil microorganisms including those antagonistic to Sclerotinia rolfsii Sacc. 13222

Evaluation of regrowth potential of perennial forage crops using triphenyltetrazolium chloride. 13631

FOREST INSECTS
Soil fauna research in the forest of Maures (Var). description of a new species of Leptotyphlus Fauv. (Col. Staphylinidae. 12956

Tanglefoot traps for detection of the balsam woolly aphid. 13076

Ips bark beetle attacks and brood development on a lightning-struck pine in relation to its physiological decline. 13298

Simulated Nantucket pine tip moth attacks reduce root development of shortleaf pine seedlings. 13317

The European pine shoot moth, Rhyacionia buoliana (Lepidoptera: Olethreutidae), another introduced forest pest. 13332

Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SB996 .W6K6. 13342

The importance of insects to the spreading of oak wilt. 13350

Important forest insects of Ontario in 1966. 13365

The larch sawfly in the northern transitional forest of central Canada. 13375

Notes on Gnathotrichus materiarius (Col. Scolytidae), a timber beetle new to the Netherlands. 13493

FOREST REGENERATION (ARTIFICIAL)
Diseases in forest plantations: thief of time. 13209

FORESTRY
Aircraft in the agriculture and forestry of Communist China. 13701

FORMALDEHYDE
Reactions of peach trees and peach tree viruses to treatment with dimethyl sulfoxide and other chemicals. 13262

FORMAMIDO-1-NAPHTHYL N-METHYLCARBAMATE, 5-
Method for combating insects with 5-formamido-1-naphthyl N-methylcarbamate. patent 3,323,989. 13652

FORMICIDAE
A completely defined synthetic diet for ants (Hym., Formicidae). 13038

Ants from close up. QL568.F7N4. 13099

FORMULATIONS
The pick-up and penetration of ultra-low-volume and emulsifiable concentrate malathion formulations by tobacco budworm larvae. 13301

Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. 13607

Pesticidal wettable powder formulation. patent 3,342,581. 13686

Method for combating microorganisms with an alkyl substituted oxazoline. patent 3,366,537. 13687

FREE RADICAL SYSTEMS
Auxicle decomposition by free radical-generating systems and by soils. 13657

FREIGHT TRANSPORTATION
The establishment of reference and marker strains and their shipment. 13104

FRUIT
Insects of the season 1966 related to fruit, vegetables and ornamentals. 13325

Bioassay of insecticides for control of Drosophila melanogaster. 13369

Economically important nematodes in Ontario, 1966.. 13391

Treatment of fruits and the like to inhibit decay. patent 3,347,683. 13486

Rapid method for surface residues of organophosphorus pesticides by total phosphorus. 13531

FUMIGANTS
Factors affecting the resistance of insect eggs to sulphuryl fluoride. i. the uptake of sulphuryl-35S fluoride by insect eggs. 13103

New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483

FUMIGATION
Ethylene oxide against the greater wax moth. 13082

Effect of ethylene dibromide fumigated feed on animals. SF97.B6. 13579

FUNGICIDE RESIDUES
Gas chromatographic determination of captan residues. 13550

Determination of terrachlor in crops and soil by electron-capture gas chromatography. 13558

Determination of residues of chloroneb and a metabolite by microcoulometric gas chromatography. 13654

FUNGICIDES
Influence of substances and soil treatments on the germination of spores of Cochliobolus sativus. 13219

Experiments on controlling strawberry botrytis rot by spraying. SB953.M6. 13251

Antifungal antibiotic and method of producing same. patent 3,350,726. 13435

Pentachloronitrobenzene residues in potatoes. 13543

Chloranil. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iii. fungicides, nematocides. and soil fumigants, rodenticides, and food and feed additives. 395 Z9. 13552

Fungicidal n-substituted derivatives of halogenated. salicylideneimines. patent 3,357,883. 13656

Insecticidal and fungicidal usage of beta-arylamino cinnamoyl compounds. patent 3,355,351. 13659

Thiol-phosphoric acid esters fungitoxic agents. patent 3,357,882. 13668

Fungicidal compositions and methods. patent 3,345,258. 13670

Phosphorus containing pesticidal composition and method of use. patent 3,336,188. 13676

Process for controlling fungi with anthraquinone derivatives. patent 3,326,750. 13678

Method of controlling microbes by means of tetrahalocyclopentadienyldiamines. patent 3,341,405. 13680

Method and composition for controlling fungi. patent 3,323,984. 13685

FUNGUS DISEASES (PLANTS)
Changes in cytoplasm and cell wall material; an anatomical approach to the mechanism of fungal infections in plants. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.C6. 13200

FUSARIUM

The effect of Gibberella zeae on the permeability of potato tuber tissue. 13202

The Phoma organisms causing gangrene of potatoes. 13212

Cryogenic storage of conidia of Peronospora tabacina. (abstract). 13214

Effects of three soil-inhabiting fungi on axenic peanut plants. (abstract). 13216

Influence of copper and zinc on the incidence of potato scab. 13217

Natural enemies of rust fungi in the tropics. (abstract). 13221

Electron microscopic observations on haustoria isolated from cucumber leaves infected with powdery mildew. 13223

Influence of certain exoacids on development of the epidermis and the foliar stomatic apparatus of their hosts. 13224

Micro-organisms in the root region of wheat. literature review. 13231

Effect of Puccinia recondita infection on the RNA composition of wheat leaves. 13239

Cercospora leaf fleck disease of beets. 13241

Influence of potassium chloride on the interrelationship of fungi and a nematode in alfalfa roots. (abstract). 13242

Effect of calcium nutrition on black shank of tobacco. (abstract). 13250

How plants fight disease. 13252

A quantitative assay method for observing and enumerating propagules of root-infecting fungi. (abstract). 13258

Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease. 13261

Evaluation of the relative importance of soil and seed as source of the inoculum of silver scurf of potatoes by means of a repression test. 13270

Influence of light intensity on the reactions of wheat and barley seedlings to Puccinia striiformis. 13275

Biochemical response of plants to toxins produced by the rice blast fungus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. SB611.c6. 13278

Fraser cats. 13279

Black-pod disease of Theobroma cacao. (Abstract). 13280

Studies on the biology of Botrytis allii on Allium cepa. 13281

The occurrence of acid hydrolyzable phenolics in relation to Fusarium wilt disease in tomato plants. 13283

Studies on Botrytis cinerea in tomatoes influence of methods of deleafing on the occurrence of stem lesions. 13284

Isolation, incidence, and virulence of Ascochyta spp. of peas from the soil. 13285

Influence of some environmental factors on the susceptibility of Pisum sativum to Botrytis cinerea. 13289

Black spot of rose (Marssonia rosae Lib.). 13291

An inhibitory effect of light on the infection by brown leaf rust of wheat. 13292

On heat treatment of Chrysanthemum morifolium against Puccinia horiana. 13293

Helminthosporium oryzae Breda de Haan, brown spot of rice. 13294

Genetics of resistance to leaf rust in the common wheat varieties Webster, Loros, Brevit, Carina, Malakof. and Centenario. 13319

Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13327

Inheritance of virulence in wheat leaf rust on the standard differential wheat varieties. 13367

Biosynthesis of nicotinic acid by Fusarium oxysporum Schlecht. 13612

Degradation of aromatic amino acids by fungi. ii. purification and properties of phenylalanine ammonia-lyase from Ustilago hordei. 13628

FUSARIUM
Influence of potassium chloride on the interrelationship of fungi and a nematode in alfalfa roots. (abstract). 13242

A quantitative assay method for observing and enumerating propagules of root-infecting fungi. (abstract). 13258

Incidence in the culture of oil palm of Fusarium populations in the soil of the savanna in the lower Ivory Coast. 13267

The occurrence of acid hydrolyzable phenolics in relation to Fusarium wilt disease in tomato plants. 13283

FUSARIUM OXYSPORUM
Biosynthesis of nicotinic acid by Fusarium oxysporum Schlecht. 13612

FUSARIUM SOLANI
Proteins and catalase isoenzymes from Fusarium solani and their taxonomic significance. 13617

FUSCUROPODA VEGETANS
Predation by Fuscuropoda vegetans (Acarina: Uropodidae) and Macrocheles muscaedomesticae (Acarina: Macrochelidae) on the eggs of the little house fly, Fannia canicularis. 12975

GALLERIA MELLONELLA
Ethylene oxide against the greater wax moth. 13082

GAMELIA
Preliminary descriptions of new Attacidae from South America (Lep.) (concl.). 12967

GAMMA RAYS
Induced mutation by gamma ray and neutron in tussah silkworm Antheraea pernyi. 13105

Effect of gamma irradiation on female Culex pipiens quinquefasciatus. 13125

Inherited partial sterility among survivors from irradiation-eradication experiment. 13154

Effectiveness of gamma irradiation for control of five species of stored-product insects. 13500

Sterilization of barley malt with gamma radiation. 13506

GAS GANGRENE
Production of gas gangrene serum in general and of polyvalent gas gangrene-aphylactic-serum of horse by using simultaneous immunization methods with four known gas gangrene types in one. 13409

GASTEROPHILUS INTESTINALIS
In vitro hatching of Gastrophilus intestinalis larvae. 13009

GENES
Persistence of lethal genes associated with SU in natural populations of Drosophila melanogaster. 13155

GIBBERELLA ZEAE
The effect of Gibberella zeae on the permeability of potato tuber tissue. 13202

GIBBERELLIC ACID
Influence of daylength on auxin production in flower buds of the lowbush blueberry. 13609

GIBBERELLINS
Effect of gibberellin on the free auxin content in the period of spike differentiation of barley. 13618

GLANDERS
The relationship between bovine farcy and tuberculosis. 13432

GLANDS (INSECTS)
Maxillary glands of some coleopteran larvae. 13130

GLOSSINA MORSITANS
The conversion of glutamate to alanine in the tsetse fly (Glossina morsitans). 13017

Experimental evidence for a hormonal control of digestion in the tsetse fly, Glossina morsitans Westwood: a study of the larva, pupa, and teneral adult fly. 13077

GLOSSINA PALPALIS
Survival and reproduction in a natural population of the tsetse fly, Glossina palpalis palpalis (Robinson-Desvoidy). 13116

GLUTAMATE
The conversion of glutamate to alanine in the tsetse fly (Glossina morsitans). 13017

GLUTAMIC ACID
Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. 13412

The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of 14C-labelled organic acids by pea root tips. 13620

GLUTATHIONE
Effects of dietary DL-METHIONINE on tissue levels of glutathione in hypothyroid chicks. 13427

GLYCINE
Nitritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, Bombyx mori. 13062

GLYCYLTYROSINE
Reactivity of tobacco mosaic virus and its protein toward acetic anhydride. 13228

GNATHOTRICHUS MATERIARIUS
Notes on Gnathotrichus materiarius (Col. Scolytidae), a timber beetle new to the Netherlands. 13493

GOATS
A trial in goats of an inactivated staphylococcal polyvalent somatic antigen vaccine against mastitis. 13430

II. Brucellosis in Britain--The problem: Control: Eradication. 13448

GOOSEBERRIES
The small berry sawfly (Pristiphora pallipes Lep), a lesser known pest of gooseberries. 13229

GOVERNMENT
Federal committee on pest control. 13708

GRAIN
Effects of aphids on cereal grains at various stages of plant growth. (Abstract). 13364

Status of the cereal leaf beetle, Oulema melanopus (L.) Coleoptera: Chrysomellidae in North America. 13379

New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483

Biological studies on the Mediterranean flour moth, Anagasta kuhniella Zeller (Lepidoptera: Phycitidae). 13496

Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548

GRAPES
Diseases and parasites of the vine. ed. 3.
SB609.G7 L3 1966. 13193

GRAPHOGNATHUS
The balanced lattice as an experimental design for testing large numbers of plants for feeding preferences of white-fringed beetles. 13338

GRASSES
Natural enemies of rust fungi in the tropics. (abstract). 13221

Status of the cereal leaf beetle, Oulema melanopus (L.) Coleoptera: Chrysomellidae in North America. 13379

GRASSHOPPERS
Insect nutrition - quality and quantity. 13087

Grasshoppers. in: Smith, C. n. insect colonization and mass production. qL497.S6. 13316

GRAY LEAFSPOT
The Stemphylium leaf spot complex on blue lupine. 13287

GRAZING
The reaction of calves to helminth infection under natural grazing conditions. II. pathology of terminal disease. 13471

GREENHOUSE CULTURE
Yield of glasshouse tomatoes as affected by strains of tobacco mosaic virus. 13266

Systemic insecticides evaluated for two-spotted mite control on greenhouse cucumbers. 13348

GRISEOFULVIN
The feeding of griseofulvin in treatment of trichophytosis (ringworm) in chinchillas. 13468

GROWTH FACTORS
Cortisol and growth in insects. 13093

Use of immunofluorescence and animal tests to detect growth and toxin production by Clostridium botulinum type E in food. 13507

The effect of various nitrogen sources on growth of Botryosphaeria ribis in vitro. (abstract). 13613

GYNANDROMORPHISM
Effect of temperature on the degree of intersexuality in Lymantria dispar L. 13151

HABITATS
Beautiful moths. qL543.M63. 12973

Observations on larval habitats and the winter bionomics of some common species of Culicoides (Diptera: Ceratopogonidae) in the central Columbian Basin. 12986

Preferred Aedes aegypti larval habitats in urban areas. 13023

Laboratory and field investigations of mosquito populations associated with oxidation lagoons in Missouri. 13185

HADROCARABUS PROBLEMATICUS PALSINPLATUS
Description of two new subspecies of Carabidae. 12977

HAEMONCHUS CONTORTUS
Oxygen influence on egg production by a parasitic nematode. 13478

HALOCYCLOPENTADIENES
Pesticidal halocyclopentadiene adducts. patent 3,356,688. 13641

HALOGENATED ACETONE
Method and composition for controlling fungi. patent 3,323,984. 13685

HALOGENATED HYDROCARBONS
Substituted norbornene herbicides. patent 3,324,147. 13640

Herbicidal composition and method. patent 3,343,938. 13664

HARPUROSTREPTUS
On the occurrence and control of Harpurostreptus sp. a new millepede pest of cultivated crops in Kerala. 13318

HARVESTING EQUIPMENT

HARVESTING EQUIPMENT
A mechanical harvester for collecting larvae of the wheat stem sawfly. 13700

HAY
Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548

HEAD
A taxonomic separation of larvae of the genus Sitophilus by head capsule morphology (Coleoptera: Curculionidae). 12957

HEAT
Use of lethal temperature in the study of effects of thermal treatments on the development of several primary sexual characters in the triploid intersexed Drosophila melanogaster Meig. 13078

Some effects of thermal acclimation on muscle apyrase activity and mitochondrial number in Periplaneta americana and Musca domestica. 13138

Heat treatment and meristem culture for the production of virus-free plant material. 13237

On heat treatment of Chrysanthemum morifolium against Puccinia horiana. 13293

HEAVY WATER
Polymerization-depolymerization of tobacco mosaic virus protein. x. effect of D2O. 13240

HELIOTHIS ARMIGERA
The determination of DDT deposited on cotton plants in an airspray trial in Tanzania. 13286

HELIOTHIS VIRESCENS
Metabolism of 2-methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxime (Temik, UC-21149) in insects. 13016

Rearing the tobacco budworm in honeycomb-like cells. 13111

Development of resistance by the tobacco budworm to endrin and carbaryl. 13296

The pick-up and penetration of ultra-low-volume and emulsifiable concentrate malathion formulations by tobacco budworm larvae. 13301

HELIOTHIS ZEA
The relationship of the fatty acid composition of Heliothis zea larvae to that of its diet. 13117

Effects of natural (sorghum) and artificial (wheat germ) diets on development of the corn earworm, fall armyworm, and southwestern corn borer. 13302

Evaluation in the greenhouse of a new insecticide for bollworm control. 13345

A preventive boll weevil control program applied to a ten-square-mile area within an untreated county. 13354

Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. 13540

HELMINTHIASIS
Summary of recent abstracts. ix. helminthiasis. 13467

Some aspects about helminth parasites of Sus domesticus Linnaeus, 1758, from the State of Bahia, Brazil. 13470

The reaction of calves to helminth infection under natural grazing conditions. ii. pathology of terminal disease. 13471

Disease agents affecting livestock in British Honduras. I. internal and external parasites. 13473

Information about helmintbiasis in sheep derived from records at a veterinary investigation center. 13474

The diagnosis of helmintbiasis in horses. 13480

Experimental helminthiasis in parasite-free calves on marshland pastures. 13481

HELMINTHOLOGY
A guide to helminth species described from African vertebrates. gL757.033. 13479

HELMINTHOSPORIUM
A quantitative assay method for observing and enumerating propagules of root-infecting fungi. (abstract). 13258

HELMINTHOSPORIUM ORYZAE
Helminthosporium oryzae Breda de Haan, brown spot of rice. 13294

HELMINTHS
Further analysis of the factors controlling strobilization, differentiation, and maturation of Echinococcus granulosus in vitro. 13482

HEMAGGLUTINATION
Indirect hemagglutination with duck hepatitis virus. 13455

A survey on antibodies against canine toxoplasma by hemagglutination test and isolation of the organism from dogs. 13461

HEMOLYMPH
Phospholipids in the haemolymph of desert locust, Schistocerca gregaria Forskal. 13089

HEPTACHLOR
Phytotoxicity and wireworm-control efficacy of insecticidal dressings applied to cereal seed up to a year before planting. 13310

Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510

Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

Distribution of heptachlor residues in pond ecosystems in southwestern Virginia. 13572

HEPTACHLOR EPOXIDE
Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

HERBICIDE APPLICATION
Techniques used in the application of a 14C labelled herbicide. in: isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.S9. 13610

HERBICIDE RESIDUES
Determination of the herbicide Tordon (4-amino-3,5,6-trichloropicolinic acid) in soil by electron capture gas chromatography. 13517

Metabolism of carbon-14 trifluralin in carrots. 13542

Influence of physicochemical properties on biodegradability of phenylcarbamate herbicides. 13549

Fate of trifluralin in soils and plants. 13563

Uptake, distribution, and metabolism of monuron and diuron by several plants. 13568

Adsorption of bipyridylium herbicides in soil. 13571

Report on herbicides and plant growth regulators. 13573

Metabolism of C-14-endothall in rats. 13597

Distribution and excretion of dicamba by rats as determined by radiotracer technique. 13599

Gas chromatographic measurement of disappearance rates of 2,4-D and 2,4,5-T acids and 2,4-D esters in mice. 13606

HERBICIDES
Weed control handbook. ed.4 79 h77. 13392

Variable-dosage-plot trials with various foliage-applied herbicides on annual weeds under Arabica Coffee in 1965-1966. 13393

Weed control in the tropics. 13394

Screening trial of pre-emergence herbicides in dwarf beans, 1964. 13395

Handling plants for macro-autoradiography, in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s585.s9. 13397

Seminar session on current problems in weed research and possible application of nuclear techniques. in: Isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s585.S9. 13398

Method for the control of undesirable vegetation. patent 3,330,640. 13399

Method for the control of undesirable plant life. patent 3,356,484. 13401

Method for pre-emergence control of undesirable plant life. patent 3,350,192. 13402

Method for inhibiting growth of undesirable plants. patent 3,334,990. 13403

Recent research on the fate of herbicides in crop plants. in: isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. s589.S9. 13404

Herbicidal composition and method. patent 3,355,278. 13405

Herbicidal composition and method= patent 3,330.641. 13406

Use of 74As-tagged sodium arsenite in a study of effects of a herbicide on pond ecology. in: Isotopes in weed research; proceedings of a symposium Vienna, 25-29 October 1966. s585.S9. 13509

Potential use of tracer methods especially autoradiography in the study of the relation of herbicides to soil biology in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965 S585.S9. 13512

Review of the metabolism and decomposition of diquat and paraquat. 13541

Hazards of herbicide drift. 13586

Herbicides and their toxicity to livestock. 13589

Possible appearance of degradation products of paraquat in crops. in: Isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s585.S9. 13629

Resistance of carcinogenic organic compounds to oxidation by activated sludge. 13639

Substituted norbornene herbicides. patent 3,324,147. 13640

Herbicidal composition and method employing substituted carbanilates. patent 3,333,947. 13647

Substituted carbanilate herbicides. patent 3,334,130. 13648

Herbicidal composition and method. patent 3,345,151. 13650

Derivatives of pyridazone and a method for their use as herbicides. patent 3,360,357. 13660

Pyridazone derivatives and their use as herbicides. patent 3,341,317. 13661

Pyridazone derivatives and herbicidal compositions containing them. patent 3,323,893. 13662

Herbicidal compositions. patent 3,333,943. 13663

Herbicidal composition and method. patent 3,343,938. 13664

Herbicidal composition and method. patent 3,345,157. 13665

Herbicidal composition and method. patent 3,333,946. 13666

Herbicidal method employing trichlorobenzyloxyalkyl esters of chlorinated aliphatic acids. patent 3,338,703. 13681

Method of controlling plant growth. patent 3,336,131. 13683

HETERODERA GLYCINES
Comparison of the pathogenicity and development of the Va. 2 isolate of Heterodera glycines on Pickett and Lee soybeans. (abstract). 13387

Development of 11 isolates of Heterodera glycines on six legumes. (abstract). 13388

The effect of various factors on larval emergence from cysts of Heterodera glycines. 13390

HETERODERA TRIFOLII
Response of Heterodera trifolii in red clover roots to Azauracil and other inhibitors. 13382

HEXADECENOIC ACID, CIS-9-
The relationship of the fatty acid composition of Heliothis zea larvae to that of its diet. 13117

HIBERNATION
Non-dependence of the saturation of depot fat on temperature and photoperiod in a hibernating mosquito. 13050

Ips plastographus (Coleoptera: Scolytidae) tunnelling in sapwood of lodgepole pine in California. 13344

Hibernation of the plum curculio and its spring migration to host trees. 13370

HISTORY
History of mosquito control in Greater Winnipeg from 1925 to 1966 and an outline of present operations. 13158

HOG CHOLERA
Immunizing pigs against hog cholera with selected strains of live virus diarrhea virus and preparation of virus diarrhea virus hyper-immune hog cholera serum. patent 3,346,456. 13408

HOG CHOLERA VACCINES
Immunizing pigs against hog cholera with selected strains of live virus diarrhea virus and preparation of virus diarrhea virus hyper-immune hog cholera serum. patent 3,346,456. 13408

HOLOCREMNUS CANALICULATUS
The small berry sawfly (Pristiphora pallipes Lep), a lesser known pest of gooseberries. 13229

HOMOPTERA
Revision and supplement to the Homoptera part of the work "Fauna Regni Hungariae" (Fam.: Cercopidae). 12987

HOPLIA PHILANTHUS
Larva of Hoplia philanthus Fuessly (Coleoptera, Scarabaeidae) with comments on the bionomics of the species. 12958

HORMONES
Pheromones of the queen honeybee (Apis mellifera L.) which enable her workers to follow her when swarming. 13018

Experimental evidence for a hormonal control of digestion in the tsetse fly, Glossina morsitans Westwood: a study of the larva, pupa, and teneral adult fly. 13077

New findings concerning pheromones produced by Trogoderma granarium (Everts), (Coleoptera, Dermestidae). 13143

Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13335

HORSES
Production of gas gangrene serum in general and of polyvalent gas gangrene-aphylactic-serum of horse by using simultaneous immunization methods with four known gas gangrene types in one. 13409

Margin of safety of succinylcholine chloride in horses treated with anticholinesterase pesticides. 13434

Diagnosis and prevention of equine respiratory diseases. 13446

II. brucellosis in Britain--The problem: Control: Eradication. 13448

The diagnosis of helminthiasis in horses. 13480

HOST INDEXING (PLANTS)
Factors affecting transmission of tristeza virus by melon aphids. 13254

HOST SPECIFICITY

HOST SPECIFICITY
Further records of New Jersey aphids (Homoptera: Aphididae). 12968

Nematode parasites of Culicidae and Chaoboridae in Louisiana. 13022

Observations on two races of the groundnut aphid, Aphis craccivora. 13067

Pathogen-produced determinants of disease and their effects on host plants. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13271

Influence of host-parasite interactions on proteins enzymes, and resistance. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceeding, conference held May 15-21, 1966, Gamagori Japan. sB611.C6. 13274

Host-plant preference of the alfalfa weevil in the field. 13312

A note on some new host plants of a few pyralids in south India. 13337

The balanced lattice as an experimental design for testing large numbers of plants for feeding preferences of white-fringed beetles. 13338

Ips plastographus (Coleoptera: Scolytidae) tunnelling in sapwood of lodgepole pine in California. 13344

Newly recognized hosts of the oriental fruit fly, melon fly, and Mediterranean fruit fly. 13355

New host records for North American fruit flies (Diptera: Tephritidae). 13357

Metabolic shifts during infection. iII. carbon dioxide fixation in the dark as a nutritional factor in parasitism. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13625

HUMANS
Egg production of house-fly, adults fed human blood containing various supplements. 13163

The danger-index of the synanthropic flies. 13170

Separating the rural and urban synanthropic fly faunas. 13171

Summary of recent abstracts. iX. helminthiasis. 13467

The interpretation of faecal egg-counts. v. a further note on single and multiple sampling in the detection of parasitic infections. 13476

Toxic hazards from the use of insecticides in the control of Aedes aegypti. 13576

Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. 13581

Problems in FAO on human and animal intoxication. in: radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 april 1965. sB953.P32. 13603

Biochemical toxicology. 13604

HUMIDITY
The effect of favorable periods for infection on development of stem rust in field plots of wheat. (abstract). 13244

Preference for wood of different degrees of dampness in some termites from Cuba (Isoptera). 13497

HYDROCHLORIC ACID
Influence of substances and soil treatments on the germination of spores of Cochliobolus sativus. 13219

A survey of organic chloride impurities in food grade hydrochloric acid. 13537

HYDROCORTISONE
Cortisol and growth in insects. 13093

HYDROCYANIC ACID
Distribution and concentration of HCN in a sorghum-sudan-grass hybrid. 13632

HYDROGEN-ION CONCENTRATION
On the hydrogen-ion concentration in the alimentary canal and blood of phytophagous larval Lepidoptera. 13128

Comparison of the California mastitis test, catalase test, and pH readings on quarter milk samples. 13440

HYDROLYSIS
Influence of physicochemical properties on biodegradability of phenylcarbamate herbicides. 13549

The ghs chromatographic determination of organophosphorus pesticides. iI. a comparative study of hydrolysis rates. 13667

HYDROXYUREA
Histological studies of tests in rats treated with certain insect chemosterilants. 13590

HYGROBIA HERMANNI
Hygrobia hermanni Ol, the mud beetle (Col., Hygrobiidae). 12998

HYLEMYA BRASSICAE
Morphological-biological report of the cabbage maggot "Hylemia brassicae (Rch.)" and experiments in chemical control. 13360

HYMENOPTERA
Hymenoptera Tenthredinoidea of the Seine-et-Oise. interesting captures and collecting notes. 12965

Appendix. sphex Linne, subgenus Palmodes Kohl. in: Hymenoptera from Turkey. sphecidae. i., by J de Beaumont. 12984

A review of hymenopterous parasites of citrus pest aphids of the world and biological control projects (Hym., Aphidoidea). 13371

Vasoactive peptides in venoms. 13591

HYPERA POSTICA
Host-plant preference of the alfalfa weevil in the field. 13312

HYPODERMA BOVIS
On the identity of the Greek parasitic insect oistros. 13466

HYPOXIA
The pathophysiology of chronic hypoxia in chickens. 13436

ICERYA PURCHASI
Record of the cottony cushion scale, Icerya purchasi Maskell in the Cannanore District of Kerala State in India and its control. 13362

ICHNEUMONIDAE
Biology of the Ichneumonid parasites of Neodiprion sertifer (Geoffroy) (Hymi Diprionidae) in Europe. 13108

A study of the life-cycles and hosts of some Ichneumonidae attacking pupae of the green oak-leaf roller moth, Tortrix viridana (L.) (Lepidoptera: Torticidae) in England. 13315

IMIDAN
Rapid method for surface residues of organophosphorus pesticides by total phosphorus. 13531

IMMUNIZATION
Immunizing pigs against hog cholera with selected strains of live virus diarrhea virus and preparation of virus diarrhea virus hyper-immune hog cholera serum. patent 3,346,456. 13408

Production of gas gangrene serum in general and of polyvalent gas gangrene-aphylactic-serum of horse by using simultaneous immunization methods with four known gas gangrene types in one. 13409

The influence of Hi Newcastle disease vaccine upon immunity by revaccination with tissue culture Newcastle disease vaccine. 13417

Distemper immunisation. 13418

Bovine vitriosis vaccine and method of administering same. patent 3,329,573. 13422

II. Brucellosis in Britain--The problem: Control: Eradication. 13448

IMMUNODIAGNOSIS
Salmonellosis of sheep: use of serum from a vaccinated ewe in a mouse passive protection test. 13426

INDEXES
The fleas (Siphonaptera) of Egypt. an illustrated and annotated key. 12969

Index of phytosanitary products, catalog of active materials and commercial specialties. ed. 6. s565.a82 1967. 13192

Russian drug index. ed. 2. BS91 .J3. 13638

INDIA
Insect interceptions made from the seed samples imported and exported for plant introduction work during the period August 1960 to December 1964. 13377

Some observations on the probable damage caused by rats in Bombay. 13501

INDIANA
Properties of white clover mosaic virus from indiana. 13207

INDICATOR PLANTS
Factors affecting transmission of tristeza virus by melon aphids. 13254

INDOLEACETIC ACID
Studies on the regulation of cellulase activity and growth in excised pea epicotyl sections. 13615

Effect of gibberellin on the free auxin content in the period of spike differentiation of barley. 13618

The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of 14C-labelled organic acids by pea root tips. 13620

INDUSTRIAL WASTES
Water pollution control and abatement. tD420.W45. 13520

Disposal and decontamination of ag chemical containers. 13588

INDUSTRY
Pest control's 7th annual industry economic forecast fast track for '68. 13704

INFECTIOUS DISEASES
An epidemiological study of salmonellosis of chickens. 13449

INFLUENZA VIRUSES
Antiviral antibiotic from trichoderma lodica and method of producing same. patent 3,323,996. 13673

INFRARED SPECTRA
Separation, identification, and measurement of dDT and its metabolites. 13567

INSECT ANATOMY
Beautiful moths. gL543.M63. 12973

Contribution to the knowledge on Cosmopolites sordidus (Germar) (Coleoptera, Curculionidae). i. 12982

Structure, fatigue, and enzyme activities in 'fast' insect muscles. 13123

INSECT BEHAVIOR
Beautiful moths. gL543.M63. 12973

Insect communication. 13021

The role of rhythms in insect behaviour. 13024

Feeding behaviour. 13033

The effect of wind direction on the index of diversity of night flying Lepidoptera in a particular area. 13051

Insect behavior. (Royal Entomological Society of London. symposia no. 3). 13053

The circadian flight activity of the mosquito Anopheles gambiae: phase setting by the light regime. 13068

Observations of the swarming behavior of Simulium damnosum (Theobald) in Upper Volta and the Cameroons. 13084

Ants from close up. gL568.F7N4. 13099

Mating, resting habits and dispersal of Aedes aegypti. 13119

Sexual behavior in blister beetles (Coleoptera: Meloidae). II. Linsleya convexa. 13121

Optical orientation of the honey bee (Apis mellifica) according to the frontal angle of the perceived striated pattern. 13141

Behaviour of social insects. 13142

Factors affecting transmission of tristeza virus by melon aphids. 13254

Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13335

The balanced lattice as an experimental design for testing large numbers of plants for feeding preferences of white-fringed beetles. 13338

Constituents of the cotton bud. IX. further studies on a polar boll weevil feeding stimulant complex. 13374

Coleoptera infesting stored products. in' Smith, C. n. insect colonization and mass production. gL497.S6. 13495

Preference for wood of different degrees of dampness in some termites from Cuba (Isoptera). 13497

INSECT BIOLOGY
The social Vespidae of central Europe. gL568.V5K4. 12961

Biology of the Ichneumonid parasites of Neodiprion sertifer (Geoffroy) (Bymii Diprionidae) in Europe. 13108

World Health Organization. seminar on the ecology, biology, control, and eradication of Aedes aegypti, 16-20 August 1965, Geneva, Switzerland. 13156

Genetic control of Aedes aegypti. 13162

Biology of radicolous aphids on maize. 13299

Aphids. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13331

New records and discussion of predators of the pear psylla, Psylla pyricola Forster, in British Columbia. 13349

Morphological-biological report of the cabbage maggot "Hylemia brassicae (Bch.)" and experiments in chemical control. 13360

Status of the cereal leaf beetle, Oulema melanopus (L.) Coleoptera: Chrysomellidae in North America. 13379

Lepidoptera infesting stored products. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13492

INSECT CAGES
Grasshoppers. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13316

Boll weevils. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13323

Hibernation of the plum curculio and its spring migration to host trees. 13370

INSECT COLLECTING EQUIPMENT
Hygrobia hermanni Ol, the mud beetle (Col., Bygrobiidae). 12998

Control of cotton insects with an insect-collecting machine. 13359

INSECT CONTROL

Population sampling for integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13376

INSECT CONTROL
World Health Organization. seminar on the ecology, biology, control, and eradication of Aedes aegypti, 16-20 August 1965, Geneva, Switzerland. 13156

History of mosquito control in Greater Winnipeg from 1925 to 1966 and an outline of present operations. 13158

Organization and administration of Aedes aegypti control and eradication programme. 13160

Genetic control of Aedes aegypti. 13162

Initiation of the Aedes aegypti eradication programme of the USA. 13179

Insecticides for use against Aedes aegypti. 13181

Research needs and priorities: Genetic control, including the sterile-male technique. 13183

Possible use of the sterile-male technique for control of Aedes aegypti. 13184

The prospects for Aedes aegypti eradication in Asia in the light of its eradication in Brazil. 13186

Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. 13188

Measures to be taken to prevent the transmission of Aedes aegypti by sea and air. 13189

Biological control and alternative control schemes. A. S. balachowsky and F. wilson, rapporteurs. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13320

Control of cotton insects with an insect-collecting machine. 13359

Insect interceptions made from the seed samples imported and exported for plant introduction work during the period August 1960 to December 1964. 13377

New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483

Insect control with high frequency electric fields. 13499

Effectiveness of gamma irradiation for control of five species of stored-product insects. 13500

Training aspects of the United States sponsored Aedes aegypti and malaria eradication programs. 13706

INSECT DISEASES
Observations on Culex pipiens larvae infested with Vorticella sp. 13180

Possibilities for utilization of entomopathogenic microorganisms in integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13336

INSECT DISSEMINATION
Note about some hidden travelers. 12976

Mating, resting habits and dispersal of Aedes aegypti. 13119

Measures to be taken to prevent the transmission of Aedes aegypti by sea and air. 13189

INSECT ECOLOGY
The ecology of insect populations in theory and practice. gl496.e55. 12943

Larva of Hoplia philanthus Fnessly (Coleoptera, Scarabaeidae) with comments on the bionomics of the species. 12958

Research needs and priorities: Ecology. 12970

Developmental rate and competitive ability in Tribolium. iII. competition in unfavorable environments. 13032

Senita cactus alkaloids: Their significance to Sonoran Desert Drosophila ecology. 13073

Factors affecting adult survival and fecundity in Lasioderma serricorne (F.) (Coleoptera, Anobiidae). 13081

Factors affecting the oviposition of Aedes aegypti. 13137

World Health Organization. seminar on the ecology, biology, control, and eradication of Aedes aegypti, 16-20 August 1965, Geneva, Switzerland. 13156

Separating the rural and urban synanthropic fly faunas. 13171

Hibernation of the plum curculio and its spring migration to host trees. 13370

INSECT EGGS
Predation by Fuscuropoda vegetans (Acarina: Oropodidae) and Macrocheles muscaedomesticae (Acarina: Macrochelidae) on the eggs of the little house fly, Fannia canicularis. 12975

Factors affecting the resistance of insect eggs to sulphuryl fluoride. i. the uptake of sulphuryl-35S fluoride by insect eggs. 13103

Transplanting cleavage and blastoderm cells in enucleated egg of Leptinotarsa decemlineata (Coleoptera). 13118

Effect of gamma irradiation on female Culex pipiens quinquefasciatus. 13125

Egg production of house-fly, adults fed human blood containing various supplements. 13163

The egg-laying habits of Aedes aegypti (Linnaeus) in central Texas. 13165

INSECT FLIGHT
The respiratory metabolism of insect flight muscle during adult maturation. 13007

The effect of wind direction on the index of diversity of night flying Lepidoptera in a particular area. 13051

Flight behaviour. 13052

The circadian flight activity of the mosquito Anopheles gambiae: phase setting by the light regime. 13068

Flight in Drosophila. iII. aerodynamic characteristics of fly wings and wing models. 13139

INSECT GENETICS
Formal genetics and cytogenetics of Aedes aegypti. 13145

Research needs and priorities: genetics. 13146

Current status of the formal genetics of Aedes aegypti. 13147

Molecular basis for the genetic regulation and coordination of the differentiation process. 13148

Genetics of vectorial capacity. 13150

Effect of temperature on the degree of intersexuality in Lymantria dispar L. 13151

Inheritance of ether resistance in Drosophila melanogaster. 13152

Inherited partial sterility among survivors from irradiation-eradication experiment. 13154

Persistence of lethal genes associated with SD in natural populations of Drosophila melanogaster. 13155

Genetic control of Aedes aegypti. 13162

Research needs and priorities: Genetic control, including the sterile-male technique. 13183

INSECT HISTOLOGY
Effect of apholate on reproductive organ of the female silkworm, Bombyx mori, with special reference to histopathological observation of the ovaries. 13136

INSECT IDENTIFICATICN
The sccial Vespidae of central Europe. gL568.v5K4. 12961

INSECT METABCLISM
The respiratory metaholism of insect flight muscle during adnlt maturation. 13007

Metabclism of 2-methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxime (Temik, OC-21149) in insects. 13016

Insecticide mcde of action. effect of dieldrin cn ion movement in the nervons system of Periplaneta americana and Blattella germanica cockroaches. 13054

Dehydrogenase in carbohydrate metaholism in larvae of the silkworm, Bombyx mori L. 13059

Stndies on the metahclism of DDT in the desert locust hy paper chromatcgraphy. 13129

Carbchydrate metabolism in the flight muscle of the southern armyworm moth, Prodenia eridania. 13132

INSECT MIGRATION
Hibernation of the plum cnrculio and its spring migration to host trees. 13370

INSECT MORPHOLOGY
The ccmparative ethology and evolution of the sand wasps. gL568.S7E8. 12948

The polymorphism in Philaenus spumarius (L.) (Hemiptera: Cercopidae) in British Columhia. 13041

The wild type phenocopy of the rosy mutant of Drosophila melanogaster and its relatien to xanthine dehydrogenase activity. 13120

Morpholcgical-hiological report of the cahhage maggot "Bylemia hrassicae (Bch.)" and experiments in chemical contrcl. 13360

INSECT NUTRITION
The ccmparative effects of vitamin deficiency on develop-ment and on adult fecundity of Tribolium castaneum. 13005

Effects on light and sugars on rearing the cotton aphid, Aphis gcssypii, on a germ-free and holidic diet. 13006

A semisynthetic diet for adult handed cucnmher heetles. 13025

Nutritional relationships in larvae of Oryzaephilns surinamensis. 13031

A completely defined synthetic diet for ants (Hym., Formicidae). 13038

Feeding stimuli and artificial feeding. 13046

Effect cf endrin and trichlcrfon applied in artificial diet against larvae of sngar-cane horer Diatraea saccharalis (F.) (Lep., Pyralidae). 13049

Nitritive effects cf alanine, cystine, glycine, serine, and tyrcsine on the silkworm, Bcmbyx mori. 13062

An artificial diet and some growth factor requirements for the pale western cntworm. 13070

Insecticide hormoligcsis. 13086

Insect nntrition - quality and quantity. 13087

Effect cf amino acid and sugar concentrations on the food uptake cf the aphic Myzus persicae. 13092

Ants from close up. gL568.P7N4. 13099

The relaticnship cf the fatty acid composition of Heliothis zea larvae to that of its diet. 13117

Digestion hy the larva of the prninose scarah, Sericesthis geminata. 13126

Egg production of honse-fly, adnlts fed human hlood containing varicns supplements. 13163

Effects of natural (sorghnm) and artificial (wheat germ) diets on development of the corn earworm, fall armyworm, and southwestern corn horer. 13302

Lygus hugs. in: Smith, fc. n. insect colonization and mass production. gL497.S6. 13307

Boll weevils. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13323

Codling moths. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13328

A pressure paint tank modified for use as a dispenser for insect diets. 13699

INSECT OUTBREAK FORECASTING
Prediction of population trends. in: %fao symposinm on inte-grated pest control, Bome, 1965. proceedings. SB951. F62. 12999

INSECT PESTS
The danger-index of the synanthropic flies. 13170

Separating the rural and nrhan synanthropic fly faunas. 13171

A.v.c. agreport. 2. 13191

Diseases and parasites of the vine. ed. 3. SB609.G7 L3 1966. 13193

Atlas of diseases and pests of vegetables. SB731. A4. 13203

Ostrinia nuhilalis Hubner, injuricus to globe artichoke in Egypt (Lepidoptera: Pyralidae). 13300

Field evaluation of Temik against some insects and mites attacking citrus. 13305

A study of the life-cycles and hosts of some Ichneumonidae attacking pupae of the green oak-leaf roller moth, Tortrix viridana (L.) (Lepidoptera: Torticidae) in England. 13315

The essential role of economic-injury popnlation levels. F. j. simmonds and E. horher, rapporteurs. in: FAO sym-posium on integrated pest control, Rome, 1965. proceedings. S8951. F62. 13321

Insects of the season 1966 related to fruit, vegetables and ornamentals. 13325

Importance of an interdisciplinary approach. in: FAO sym-posium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13327

The insect pests of cahhage in Egypt. 13330

A note on some new host plants of a few pyralids in sonth India. 13337

Some new pests of betelvine. 13339

New records of hymenopterons parasites from Achaea janata Linn (Lepidoptera: Noctnidae), a serious pest of castor, (Ricinus communis). 13343

The importance of insects to the spreading of oak wilt. 13350

Control of cotton insects with an insect-collecting machine. 13359

The insects injnrions to potatoes. 13366

Some costs of insect damage and crop protection. in: FAC symposinm on integrated pest control, Rome, 1965. proceed-ings. S8951. F62. 13372

Population sampling for integrated control. in: FAO sympo-sium on integrated pest control, Rome, 1965. proceedings. S8951. F62. 13376

Studies on the susceptihility of certain stored prodncts insects to hacterial insecticides. 1. tests with Bakthane L-69. 13489

The fauna of stored prodncts in U.A.R. 13490

INSECT PHYSICLCGY

INSECT PHYSICLOGY
The nature of haemolymph proteins in relation to the ovarian cycle in the viviparous cockroach, Nauphoeta cinerea. 13002

Temperature acclimation and its influence on the electrical activity of the nervous system in three species of cockroaches. 13004

Dietary amino acid and nucleic imbalance leading to altered tumour frequency in the adult housefly, Musca domestica. 13013

Phenomena of excitation and inhibition in the last abdominal ganglion of the cockroach, Periplaneta americana l. 13019

The effects of acetylcholine at the synaptic and somatic levels in the case of the last abdominal ganglion of the cockroach Periplaneta americana. 13020

A comparative study of larval embryogenesis in the mosquito Culex fatigans Wiedemann (Diptera: culicidae) and the sheep-fly, Lucilia sericata Meigen (Diptera: Calliphoridae). i. description of embryonic development. 13030

Developmental rate and competitive ability in Tribolium. iii. competition in unfavorable environments. 13032

Studies on the neurosecretory system and the functional significance of NSM in the dorsal wall of the hug, Dysdercus koenigii. 13035

Anaerobiosis studies with Musca domestica. age and sex differences for survival rate and recovery capability. 13037

Effect of age on (14c)valine turnover into locust wing proteins. 13056

Experimental study of development in the male reproductive system of Tenebrio molitor (Coleoptera, Tenebrionidae). 13060

A contribution to the knowledge of the diapause in Perillus bioculatus (Fabr) (Heteroptera, Pentatomidae). 13063

An artificial diet and some growth factor requirements for the pale western cutworm. 13070

Phospholipase activity in Musca domestica L. 13071

Experimental evidence for a hormonal control of digestion in the tsetse fly, Glossina morsitans Westwood: a study of the larva, pupa, and teneral adult fly. 13077

A laboratory study of Stegobium paniceum (L.) (Coleoptera: Anobiidae). 13080

Factors affecting adult survival and fecundity in Lasioderma serricorne (F.) (Coleoptera, Anobiidae). 13081

The physiological division of labour in the salivary glands of Oncopeltus fasciatus (Dall.) (Heteroptera: Lygaeidae). 13090

Comparative studies on reciprocal interchange of the corpora allata between males and females of adult Schistocerca gregaria (Forskal) (Orthoptera: Acrididae). 13106

Action of natural ionizing radiations in Drosophila melanogaster. 13107

Study of the reconstitution of the cuticle as a result of of a tegumentary excision in Locusta migratoria. 13110

Cellular age changes in insects. in: Aspects of the biology of aging, H. w. woolhouse, ed. 13113

Effect of population density on the larval coloration and development of larva and pupa in the larger pellucid hawk moth, Cephonodes hylas L (Lepidoptera: Sphingidae). 13115

The wild type phenocopy of the rosy mutant of Drosophila melanogaster and its relation to xanthine dehydrogenase activity. 13120

The phenomenon of intrapopulation control in aquatic organisms. an attempt at immunological interpretation of its physiology. 13134

Influence of age on ovarian function in Drosophila melanogaster. 13140

Ips bark beetle attacks and brood development on a lightning-struck pine in relation to its physiological decline. 13298

Effects of natural (sorghum) and artificial (wheat germ) diets on development of the corn earworm, fall armyworm, and southwestern corn borer. 13302

Ontogeny and comparative radiation sensitivity in the confused flour beetle and strains of the red flour beetle. 13494

Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. 13498

INSECT POLLINATORS
Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13327

INSECT POPULATIONS
The ecology of insect populations in theory and practice. gL496.c55. 12943

A study of the population of insects emerging as adults from Spettigue's Pond at London, Ontario. 12960

The analysis of density dependence in studies on insect population regulation. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 12962

Apterous aphids in water, wind, and suction traps. 12972

The distribution, density and seasonal prevalence of Aedes aegypti in West Africa. 12992

Prediction of population trends. in: %fao symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 12999

Studies on natural populations. vi. competition between Drosophila melanogaster and Drosophila simulans. 13034

Effect of population density on the larval coloration and development of larva and pupa in the larger pellucid hawk moth, Cephonodes hylas L (Lepidoptera: Sphingidae). 13115

Survival and reproduction in a natural population of the tsetse fly, Glossina palpalis palpalis (Robinson-Desvoidy). 13116

Laboratory and field investigations of mosquito populations associated with oxidation lagoons in Missouri. 13185

Factors affecting transmission of tristeza virus by melon aphids. 13254

The essential role of economic-injury population levels. F. j. simmonds and E. borher, rapporteurs. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13321

Integrated house fly control: populations of fly larvae and predaceous mites, Macrocheles muscaedomesticae, in poultry manure after larvicide treatment. 13491

INSECT REARING
Effects on light and sugars on rearing the cotton aphid, Aphis gossypii, on a germ-free and holidic diet. 13006

In vitro hatching of Gastrophilus intestinalis larvae. 13009

Rear caterpillars? why?. 13011

Mass rearing banded cucumber beetles, with notes on rearing spotted and striped cucumber beetles. 13027

Interruption of diapause and rearing larvae of Culiseta melanura (Coq). 13055

Laboratory culture of Triatoma infestans (Klug, 1834) (Hemiptera, Reduviidae). 13097

Rearing the tobacco hndworm in honeycomb-like cells. 13111

Observaticns cn the alfalfa leaf-cutter bee, Megachile rotundata, at Hodgson, Manitcha in 1966. 13112

Genetic contrcl of Aedes aegypti. 13162

Southern pine beetles. in: smith, C. n. insect colonization and mass prodncticn. gL497.S6. 13314

Grasshoppers. in: Smith, C. n. insect colonization and mass prcducticn. gL497.S6. 13316

Bcll weevils. in: Smith, C. n. insect colonizaticn and mass prcducticn. gI497.S6. 13323

Codling mcths. in: Smith, C. n. insect colonization and mass producticn. gL497.S6. 13328

Aphids. in: Smith, C. n. insect colcnizaticn and mass production. gL497.S6. 13331

Lepidcptera infesting stored prcdncts. in: Smith, C. n. insect colcnizaticn and mass prcdnction. gL497.S6. 13492

Cclecptera infesting stored prodncts. in' Smith, C. n. insect colcnizaticn and mass production. gL497.S6. 13495

The use of Folsomia fimetaria and Drosophila melanogaster as test insects fcr the detection of insecticide residues. 13566

INSECT REARING EQOIPMENT
Rearing the tcbaccc budworm in honeycomb-like cells. 13111

Lepidcptera infesting stored prodncts. in: Smith, C. n. insect colcnizaticn and mass prodnction. gL497.S6. 13492

Fluorcglide as a barrier to contain nonflying insects in glass ccntainers. 13703

INSECT REPELLENTS
New findings ccncerning phercmcnes produced by Trogoderma granarium (Everts), (Ccleoptera, Dermestidae). 13143

Current research by the USDA of pctential significance to world-wide mosquito ccntrol. 13169

Use of alternative biological ccntrol schemes. in: FAO symposium cn integrated pest control, Rome, 1965. proceedings. SP951. F62. 13335

INSECT RESPIRATION
The respiratory metabolism of insect flight muscle during adult maturation. 13007

Descripticn cf a method for measuring the respiratory exchange in the entire insect. 13010

Respiraticn in Drosophila melanogaster in the conrse of metamcrphcsis. effect of pnparinm formation, nymphal molting, and of emergence. 13044

INSECT TAXONOMY
New species of the genus Typhlodromns from Sudan (Acarii Phytcseiidae). 12947

Notes on the systematics and distribution of some Tribolium species (Coleoptera: Tenebrionidae). 12953

A taxcncmic separaticn of larvae of the genus Sitophilns by head capsule mcrphclcgy (Coleoptera: Curculionidae). 12957

Keys for the identification cf Polish insects. XXVII. Lepidcptera. 63. satyridae. 12964

Taxcncmy of Aedes aegypti and related species. 12971

Aphids cf Korea. QL523. A6 F3. 12978

Additional synonymies within the anlyceran bird lice (Mallcphaga). 12981

Revision and snpplement to the Homoptera part of the work "Fauna Regni Hungariae" (Fam.: Cercopidae). 12987

A new aphid genns frcm north-western India (Homcptera: Aphididae). 12993

INSECT TRAPS
Apterous aphids in water, wind, and suction traps. 12972

Tanglefoot traps for detection of the balsam woolly aphid. 13076

Trapping mosquitoes with sound. (abstract). 13159

AEHA cartridge-type aspirators. 13692

A device for examining large insect traps. 13698

INSECT VECTORS
Genetics of vectorial capacity. 13150

Aedes aegypti and other mosquitos in relation to the dengue syndrome. 13168

On the role of Japanese mosquitoes especially of Culex pipiens pallens in the transmission of Bancroftian filariasis. in: Progress of medical parasitology in Japan, vol. 3. k. morishita,Y. komiya, and B. matsnbayashi, editors. 423 M823. 13176

Aedes aegypti and haemorrhagic fever. 13178

Aedes aegypti and yellow fever. 13187

Measures to be taken to prevent the transmission of Aedes aegypti by sea and air. 13189

Factors affecting transmission of tristeza virns by melon aphids. 13254

INSECTICIDE APPLICATION
ULV aerial insecticide application for adnlt mosgnito control. 13166

Control of mosquito adults and larvae with ultra-low volnme aerial applicaticns of Baygon and Baygon-Baytex mixtnre. 13188

INSECTICIDE RESIDOES
Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510

Removal of chlorinated insecticide residues from milk fat by molecnlar distillation. 13525

Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin). 13528

Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage. 13529

Determination of residues of Mobil MC-A-600 (benzo(h)thien-4-yl methylcarbamate) and its hydrolysis product (benzo(h)thiophene-4-ol) in coastal bermnda grass and milk. 13530

Rapid method for surface residues of organophosphorus pesticides by total phosphorns. 13531

DDT problem at a glance. 13532

Note on the effect of sample moisture content on exraction of TDE from kale. 13533

Fate of 2-methyl-2-(methylthio)propion aldehyde O-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. 13535

Problems with DDT in fish cnlture operations. 13536

Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. 13540

Absorption of organochlorine insecticide residnes from agricultural soils by root crops. 13544

Parathion and methyl parathion residues on cabbage and southern peas. 13546

Translocation of insecticides from soils into pea plants

INSECTICIDE RESISTANT INSECTS

effects of the detergent LAS on translocation and plant growth. 13553

Gas chromatographic determination of famphur and its oxygen analog residues in bovine milk, blood, and edible tissues. 13562

Distribution of p,p'-DDT residues in adipose and muscle tissues of beef cattle. 13564

The use of Folsomia fimetaria and Drosophila melanogaster as test insects for the detection of insecticide residues. 13566

Separation, identification, and measurement of DDT and its metabolites. 13567

A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrus oils. 13569

Distribution of heptachlor residues in pond ecosystems in southwestern Virginia. 13572

Fate of insecticide residues. decomposition of lindane in soil. 13574

Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. 13578

Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. 13581

Absorption, metabolism, and excretion of tritium-labeled famphur in the sheep and calf. 13583

Retention of vaporized lindane by plants and animals. 13602

Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. 13607

The new florisil: a statistical evaluation for chlorinated pesticides. 13633

Determination of carbaryl and some other carbamates by gas chromatography. 13674

INSECTICIDE RESISTANT INSECTS

Inheritance of ether resistance in Drosophila melanogaster. 13152

Necessary research and priorities: Resistance to insecticides. 13172

Resistance to insecticides in Aedes aegypti and related species. 13173

Development of resistance by the tobacco budworm to endrin and carbaryl. 13296

Resistance to organochlorine insecticides in the tuber flea beetle, Epitrix tuberis Gent (Coleoptera: Chrysomelidae), in British Columbia. 13304

Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with Bakthane L-69. 13489

INSECTICIDE SYNERGISTS

Determination of piperonyl butoxide by gas chromatography. 13645

INSECTICIDES

Metabolism of 2-methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxime (Temik, UC-21149) in insects. 13016

Insecticide mode of action. effect of dieldrin on ion movement in the nervous system of Periplaneta americana and Blattella germanica cockroaches. 13054

Photodecomposition of dieldrin and aldrin. 13056

Azobenzene carbamates as insecticides. 13069

Topical toxicity of several chlorinated hydrocarbon, organophosphorous, and carbamate insecticides to Lygus hesperus. 13083

Insecticide hormoligosis. 13086

Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. 13157

Responses of Aedes aegypti (L) from Alabama, Georgia and South Carolina to DDT, dieldrin, and malathion. 13164

Current research by the USDA of potential significance to world-wide mosquito control. 13169

Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, Aedes sollicitans (Walker) and Aedes taeniorhynchus (Wiedemann), in Florida. 13174

New insecticides as nonthermal aerosols for control of adult mosquitoes. 13175

Insecticides for use against Aedes aegypti. 13181

Evaluation of insecticides for control of the sugar-beet maggot in Manitoba. 13297

Field evaluation of Temik against some insects and mites attacking citrus. 13305

Use of pesticides in selective manners. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13322

Possibilities for utilization of entomopathogenic micro-organisms in integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13336

Experiments on the control of sisal weevils by dipping planting material in solutions of systemic insecticides. 13347

Systemic insecticides evaluated for two-spotted mite control on greenhouse cucumbers. 13348

Essential role of chemicals in crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13356

Some new efficient preparations to control thrips and Aphis gossypii on cotton. 13361

Bioassay of insecticides for control of Drosophila melanogaster. 13369

Metabolism of O-phenyl-O'-(4-nitrophenyl) methylphosphonothionate (Colep) in plants and animals. 13555

Metabolism of 2-chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate in the dog and rat. 13575

Toxic hazards from the use of insecticides in the control of Aedes aegypti. 13576

Dynamics of organochlorine insecticides in vertebrates and ecosystems. 13593

Some effects of molecular structure upon anticholinesterase and insecticidal activity of substituted phenyl N-methylcarbamates. 13643

Preparation and biolcgical activity of the isomers of dimethyl-1,3-dicarbomethoxy-1-propen-2-yl phosphate (Bomyl). 13649

Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornanone O-methylcarbamoyl)oximes. absolute structure of tranid miticide. 13651

Method for combating insects with 5-formamido-1-naphthyl N-methylcarbamate. patent 3,323,989. 13652

Insecticidal and fungicidal usage of beta-arylamino cinnamoyl compounds. patent 3,355,351. 13659

Sulfur-containing carbamate insecticides. patent 3,349,115. 13682

How we modified a back pack sprayer for ULV insecticide applications. 13694

INSECTS
Disease agents affecting livestcck in British Honduras. I. internal and external parasites. 13473

Chlorinated hydrocarbon insecticide residues in selected insects and birds fcund in asscciatien with cotton fields. 13540

A fcot-contrclled device using carbcn dioxide for the anesthetizatien cf insects. 13690

A versatile, highly sensitive activity recorder for insects. 13696

INSPECTION (AGRICULTURAL PRODUCTS)
Inspectcr's manual. aS951.A5U52. 13522

INTEGRATED CCNTECL (INSECTS)
Integrated ccntrol and public health entomology. in: FAO symposium cn integrated pest control, Rome, 1965. proceedings. SB951. F62. 13167

Nature cf agrobicccenosis and significance to integrated ccntrcl. in: FAO sympcsium cn integrated pest ccntrol, Rcme, 1965. prcceedings. SB951. F62. 13306

Possibilities for utilization of entomopathogenic microorganisms in integrated control. in: FAO symposium on integrated pest ccntrcl, Rome, 1965. proceedings. SB951. F62. 13336

Integrated house fly control: populatiens of fly larvae and predacecus zites, Macrocheles muscaedomesticae, in poultry manure after larvicide treatment. 13491

INTERSEXUALITY
Intersexuality in mcsquitoes. (Abstract). 13015

Use of lethal temperature in the study of effects of thermal treatments on the development of several primary sexual characters in the triplcid intersexed Drosophila melanogaster Meig. 13078

Effect cf temperature on the degree of intersexuality in Lymantria dispar L. 13151

INTESTINES
The distributicn and localizatien of digestive enzymes in the alimentary canal and salivary glands of the cotton stainer, Dysdercus fasciatus. 13072

IONS
Insecticide mode of action. effect of dieldrin cn ion movement in the nervous system of Periplaneta americana and Blattella germanica cockroaches. 13054

Icn movements and water transport in the rectum of the locust.Schistocerca gregaria. 13133

IOXYNIL
The effect cf 4-hydroxy-3,5-diiodobenzonitrile (ioxynil) on respiratory electron transport in Vicia faba L. 13400

IPS AVULSUS
Ips bark beetle attacks and brood development on a lightning-strnck pine in relatien to its physiological decline. 13298

IPS CALLIGRAPHUS
Ips bark beetle attacks and brood development on a lightning-struck pine in relatien to its physiological decline. 13298

IPS GRANDICOLLIS
Ips bark beetle attacks and brocd development on a lightning-struck pine in relatien to its physiological decline. 13298

IPS PLASTOGRAPHUS
Ips plastographus (Coleoptera: Scolytidae) tunnelling in sapwood of lodgepcle pine in California. 13344

IRRADIATION
Inherited partial sterility among survivors frcm irradiatien-eradication experiment. 13154

Possible nse of the sterile-male technique fcr ccntrol of Aedes aegypti. 13184

Use of alternative biclogical ccntrol schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13335

Effectiveness of gamma irradiatien for control of five species of stored-product insects. 13500

IRRIGATION
Influence of sprinkler irrigation and four forage crcps on populations of soil microorganisms including those antagonistic to Sclerotium rolfsii Sacc. 13222

ISOLEUCINE
Method of producing an antibiotic guinomycin B. patent 3,332,843. 13688

ISOMERS
Preparation and biological activity of the isomers of dimethyl-1,3-dicarbomethoxy-1-propen-2-yl phosphate (Bomyl). 13649

Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornanone O-methylcarbamoyl)oximes. absolute structure of tranid miticide. 13651

ISONIAZID
Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. 13412

ISOPTERA
Records of the crthopteroid insects in Ontario. 12994

ISOTOPES
Handling plants for macro-autoradiography, in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s589.s9. 13397

Seminar session on current problems in weed research and possible application of nuclear techniques. in: Isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s589.S9. 13398

Recent research on the fate of herbicides in crop plants. in: isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. s589.S9. 13404

Behavior of 14-C-labelled diesel oil in different soils. in: Isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. s589.S9. 13518

Possible appearance of degradatien products of paraquat in crops. in: Isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.S9. 13629

JAPAN
The industry in Japan. 13697

KALE
Note on the effect of sample moisture content on exraction of TDE from kale. 13533

KINETICS
Kinetic organizatien of Lepidoptera chromosomes. 13144

KINETIN
Effect of benzimidazole and kinetin on the nicotinamide nucleotide ccntent of senescing wheat leaves. 13626

KININS
Vasoactive peptides in venoms. 13591

LABORATORY ANIMALS
Cancer inducing agents. 13444

Common disease problems in labcratcry animals. 13459

Comparative toxicity of rodenticides. 13502

Metabolism of chlorinated insecticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SB953.P32. 13551

The retention of triphenyltin and dieldrin and its relevance to the toxic effects of multiple dosing. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. S953.P32. 13585

LACTIC ACID BACTERIA

LACTIC ACID BACTERIA
Sterilization of barley malt with gamma radiation. 13506

LACTONES
Method of inhibiting growth of undesired vegetation. patent 3,352,662. 13396

LAMBS
Feeder lamb response to cortisone acetate and diethylstilbestrol. 13420

The significance of Nematodirus in New Zealand. 13469

LARIX LARICINA
The larch sawfly in the northern transitional forest of central Canada. 13375

LARVAE
A taxonomic separation of larvae of the genus Sitophilus by head capsule morphology (Coleoptera: Curculionidae). 12957

Observations on larval habitats and the winter bionomics of some common species of Culicoides (Diptera: Ceratopogonidae) in the central Columbian Basin. 12986

Preferred Aedes aegypti larval habitats in urban areas. 13023

A comparative study of larval embryogenesis in the mosquito Culex fatigans Wiedemann (Diptera: culicidae) and the sheep-fly, Lucilia sericata Meigen (Diptera: Calliphoridae). i. description of embryonic development. 13030

Nutritional relationships in larvae of Oryzaephilus surinamensis. 13031

Interruption of diapause and rearing larvae of Culiseta melanura (Coq). 13055

Dehydrogenase in carbohydrate metabolism in larvae of the silkworm, Bombyx mori L. 13059

Experimental evidence for a hormonal control of digestion in the tsetse fly, Glossina morsitans Westwood: a study of the larva, pupa, and teneral adult fly. 13077

Characteristics of a larval proteinase of Calliphora erythrocephala Meigen. 13094

Effect of population density on the larval coloration and development of larva and pupa in the larger pellucid hawk moth, Cephonodes hylas L (Lepidoptera: Sphingidae). 13115

The relationship of the fatty acid composition of Heliothis zea larvae to that of its diet. 13117

On the hydrogen-ion concentration in the alimentary canal and blood of phytophagous larval Lepidoptera. 13128

Maxillary glands of some coleopteran larvae. 13130

Occurrence of the larvae of "harvest or scrub itch-mites" (Acarina, Trombidoidea) on a scorpion. 13135

Observations on Culex pipiens larvae infested with Vorticella sp. 13180

Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. 13188

The effect of various factors on larval emergence from cysts of Heterodera glycines. 13390

Insecticidal and fungicidal usage of beta-arylamino cinnamoyl compounds. patent 3,355,351. 13659

A mechanical harvester for collecting larvae of the wheat stem sawfly. 13700

LARVICIDES
Insecticides for use against Aedes aegypti. 13181

The larvicidal activity of several liquid detergents and quaternary ammonium compounds. 13190

Integrated house fly control: populations of fly larvae and predaceous mites, Macrocheles muscaedomesticae, in poultry manure after larvicide treatment. 13491

LASIODERMA SERRICORNE
Factors affecting adult survival and fecundity in Lasioderma serricorne (F.) (Coleoptera, Anobiidae). 13081

LATENT VIRUS (APPLES)
Apple latent virus 2 is Sowbane mosaic virus. 13206

LEAF RUST (WHEAT)
An inhibitory effect of light on the infection by brown leaf rust of wheat. 13292

Genetics of resistance to leaf rust in the common wheat varieties Webster, Loros, Brevit, Carina, Malakof. and Centenario. 13319

Inheritance of virulence in wheat leaf rust on the standard differential wheat varieties. 13367

LEAF SPOT (BLUE LUPINE)
The Stemphylium leaf spot complex on blue lupine. 13287

LEAF SPOT (SUGAR BEETS)
Symptoms of Cercospora leaf spot of sugar beets influenced by light intensity. 13215

Cercospora leaf fleck disease of beets. 13241

LEGS
Multipolar stretch receptors and the insect leg reflex. 13048

LEGUMES
Host-plant preference of the alfalfa weevil in the field. 13312

Development of 11 isolates of Heterodera glycines on six legumes. (abstract). 13388

LEIOPHRON
Some British species of Leiophron Nees (Hymenoptera: Braconidae, Euphorinae), with the description of two new species. 12983

LEIOPHRON HETEROCORDYLI
Some British species of Leiophron Nees (Hymenoptera: Braconidae, Euphorinae), with the description of two new species. 12983

LEIOPHRON ORTHOTYLI
Some British species of Leiophron Nees (Hymenoptera: Braconidae, Euphorinae), with the description of two new species. 12983

LEMONS
Citrus red mite, Panonychus citri (McGregor) (Tetranychidae: Acari), recorded from New South Wales. 13324

LEPIDOPTERA
Keys for the identification of Polish insects. XXVII. Lepidoptera. 63. satyridae. 12964

Note about some hidden travelers. 12976

The effect of wind direction on the index of diversity of night flying Lepidoptera in a particular area. 13051

On the hydrogen-ion concentration in the alimentary canal and blood of phytophagous larval Lepidoptera. 13128

Kinetic organization of Lepidoptera chromosomes. 13144

Lepidoptera infesting stored products. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13492

LEPTINOTARSA DECEMLINEATA
Transplanting cleavage and blastoderm cells in enucleated egg of Leptinotarsa decemlineata (Coleoptera). 13118

LEPTOTYPHLUS SCROLEBI
Soil fauna research in the forest of Manres (Var). description of a new species of Leptotyphlus Fauv. (Col. Staphylinidae. 12956

LETHAL FACTOR
Persistence of lethal genes associated with SD in natural populations of Drosophila melanogaster. 13155

LEUCINE
DDT-INDUCED metabolic changes in rat liver. 13595

LEUCOPHAEA MADERAE
Temperature acclimation and its influence on the electrical activity of the nervous system in three species of cockroaches. 13004

LIGHT
Effects on light and sugars on rearing the cotton aphid, Aphis gossypii, on a germ-free and holidic diet. 13006

Photodecomposition of dieldrin and aldrin. 13056

The circadian flight activity of the mosquito Anopheles gambiae: phase setting by the light regime. 13068

Symptoms of Cercospora leaf spot of sugar beets influenced by light intensity. 13215

Influence of light intensity on the reactions of wheat and barley seedlings to Puccinia striiformis. 13275

An inhibitory effect of light on the infection by brown leaf rust of wheat. 13292

LIGHT SCATTERING
Polymerization-depolymerization of tobacco mosaic virus protein. VIII. light-scattering studies. 13273

LIGHTNING
Ips bark beetle attacks and brood development on a lightning-struck pine in relation to its physiological decline. 13298

LIMONENE
Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. 13627

LINDANE
Morphological-biological report of the cabbage maggot "Hylemia brassicae (Bch.)" and experiments in chemical control. 13360

The insects injurious to potatoes. 13366

Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553

Fate of insecticide residues. decomposition of lindane in soil. 13574

Retention of vaporized lindane by plants and animals. 13602

LINEAR ALKYL BENZENE SULFONATE
Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553

LINOLENATES
The relationship of the fatty acid composition of Helicthis zea larvae to that of its diet. 13117

LIRIODENDRON TULIPIFERA
Root rot in yellow-poplar seedling-sprout stands. 13233

LIVER
DDT-INDUCED metabolic changes in rat liver. 13595

LIVESTOCK
Selenium in crops in the United States in relation to selenium-responsive diseases of animals. 13429

Comparative toxicity of rodenticides. 13502

Prevention and first aid for livestock poisoned with chemicals. SF757.5.N3. 13561

Effect of ethylene dibromide fumigated feed on animals. SF97.E6. 13579

Hazards of herbicide drift. 13586

Herbicides and their toxicity to livestock. 13589

The toxicity of dimethyl 2-(alpha-methylbenzyloxycarbonyl)-1-methylvinyl phosphate (Shell Compound 4294) to livestock. 13601

LIVESTOCK DISEASES
Disease reports of the Southern Conference on Avian Diseases (SCAD) 1966. 13433

Disease agents affecting livestock in British Honduras. I. internal and external parasites. 13473

LOCOMOTION
A versatile, highly sensitive activity recorder for insects. 13696

LOCUSTA MIGRATORIA
Study of the reconstitution of the cuticle as a result of of a tegumentary excision in Locusta migratoria. 13110

LONGEVITY
A semisynthetic diet for adult banded cucumber beetles. 13025

Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. 13498

LOSSES
How fungi attack material. 13485

LOUISIANA
Distribution of the reniform nematode in relation to crop failure of cotton in Louisiana. 13380

LOW VOLUME APPLICATION
The selection of a solvent for use with low volume aerial spraying of cotton plants. 13611

Low volume spraying superior, less expensive for planes in Bakersfield, California, district. 13695

LUMINESCENCE
Toxicity evaluation of air pollutants by use of luminescent bacteria. 13596

LUPINE
The Stemphylium leaf spot complex on blue lupine. 13287

LUPINUS AUGUSTIFOLIUS
The Stemphylium leaf spot complex on blue lupine. 13287

LYGAEIDAE
The physiological division of labour in the salivary glands of Oncopeltus fasciatus (Dall.) (Heteroptera: Lygaeidae). 13090

LYGUS
Lygus bugs. in: Smith, fc. n. insect colonization and mass production. gL497.S6. 13307

LYGUS HESPERUS
Topical toxicity of several chlorinated hydrocarbon, organophosphorous, and carbamate insecticides to Lygus hesperus. 13083

The selective advantage accruing to lygus bugs that cause blasting of floral parts. 13373

LYGUS LINEOLARIS
The selective advantage accruing to lygus bugs that cause blasting of floral parts. 13373

MACROCHELES MUSCAEDOMESTICAE
Predation by Fuscuropoda vegetans (Acarina: Uropodidae) and Macrocheles muscaedomesticae (Acarina: Macrochelidae) on the eggs of the little house fly, Fannia canicularis. 12975

Integrated house fly control: populations of fly larvae and predaceous mites, Macrocheles muscaedomesticae, in poultry manure after larvicide treatment. 13491

MACROSIPHUM AVENAE
Apterous aphids in water, wind, and suction traps. 12972

MAGNESIUM
Influence of some environmental factors on the susceptibility of Pisum sativum to Botrytis cinerea. 13289

MALARIA

MALARIA
Training aspects of the United States sponsored Aedes aegypti and malaria eradication programs. 13706

MALATHION
Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. 13157

Responses of Aedes aegypti (L) from Alabama, Georgia and South Carolina to DDT, dieldrin, and malathion. 13164

ULV aerial insecticide application for adult mosquito control. 13166

Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, Aedes sollicitans (Walker) and Aedes taeniorhynchus (Wiedemann), in Florida. 13174

The pick-up and penetration of ultra-low-volume and emulsifiable concentrate malathion formulations by tobacco budworm larvae. 13301

Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. 13607

Analysis of spray deposits on cards dyed with Sudan Black BR: their preparation and use. 13702

MALLOPHAGA
Entomology of Antarctica. gL491.G7. 12952

Additional synonymies within the amblyceran bird lice (Mallophaga). 12981

MALT
Sterilization of barley malt with gamma radiation. 13506

MANAGEMENT
Organization and administration of Aedes aegypti control and eradication programme. 13160

MANGOES
The attacking habits of Sinoxylon sudanicum Lesne (Coleoptera: Bostrychidae). 13334

MANSONIA
Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. 13157

MANUALS
Inspector's manual. aS951.A5U52. 13522

MARKETING RESEARCH
Pesticide prognosis. 13705

MARSHES
Experimental helminthiasis in parasite-free calves on marshland pastures. 13481

MASTITIS
Relationships between Wisconsin mastitis test scores and cell counts in milk. 13428

A trial in goats of an inactivated staphylococcal polyvalent somatic antigen vaccine against mastitis. 13430

Bovine adenovirus. 13437

Comparison of the California mastitis test, catalase test, and pH readings on quarter milk samples. 13440

Method of treating bovine mastitis. patent 3,347,743. 13443

Study of bactericidal action of four disinfectants in the control of bovine mammitis. 13445

MATHEMATICAL ANALYSIS
Ecology of plant pathogens in soil. VII. mathematical models and inoculum density. 13205

MEASLES VACCINE
Distemper immunisation. 13418

MECHANORECEPTORS
Multipolar stretch receptors and the insect leg reflex. 13048

MEDICAL ENTOMOLOGY
Integrated control and public health entomology. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13167

MEGACHILE ROTUNDATA
Observations on the alfalfa leaf-cutter bee, Megachile rotundata, at Hodgson, Manitoba in 1966. 13112

Seed increase of alfalfa in growth chambers with Megachile rotundata F. 13333

MEGODONTUS PUBPUBASCENS TROBENCICUS
Description of two new subspecies of Carabidae. 12977

MELANINS
Natural substrates of the phenoloxidase in the pupal blood of the silkmoths, Antheraea pernyi and A eucalypti. 13040

MELOIDAE
Sexual behavior in blister beetles (Coleoptera: Meloidae). II. linsleya convexa. 13121

MELOIDOGYNE HAPLA
Resistance of axenic tomato seedlings to Meloidogyne incognita acrita and to M. hapla. 13381

MELOIDOGYNE INCOGNITA ACRITA
Influence of potassium chloride on the interrelationship of fungi and a nematode in alfalfa roots. (abstract). 13242

Resistance of axenic tomato seedlings to Meloidogyne incognita acrita and to M. hapla. 13381

MERCURIC CHLORIDE
Effect of treating cotton seed with dieldrin, Abavit B, and aldrin on the emergence of pink bollworm moths. 13341

MERCURIC IODIDE
Effect of treating cotton seed with dieldrin, Abavit B, and aldrin on the emergence of pink bollworm moths. 13341

MERCURY COMPOUNDS
Method of activation analysis for mercury in the biosphere and in foods. An addendum. in: Radioisotopes in the detection of pesticide residues: proceedings of a panel Vienna, 12-16 1965. sB953.P32. 13534

METABOLISM
Influence of vitamin D on calcium metabolism and the parathyroid glands of cattle. 13413

Use of 74As-tagged sodium arsenite in a study of effects of a herbicide on pond ecology. in: Isotopes in weed research; proceedings of a symposium Vienna, 25-29 October 1966. s589.S9. 13509

Plant growth regulant. biochemical behavior of 2-chloroethyl trimethylammonium chloride in wheat and in rats. 13526

Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548

Metabolism of 2-chloro-1-(2,4,5-trichlorophenyl) vinyl dimethyl phosphate in the dog and rat. 13575

Metabolism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarbamate) in the rat. 13578

Absorption, metabolism, and excretion of tritium-labeled famphur in the sheep and calf. 13583

DDT-INDUCED metabolic changes in rat liver. 13595

Metabolism of C-14-endothall in rats. 13597

Distribution and excretion of dicamba by rats as determined by radiotracer technique. 13599

Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. 13607

METABOLITES
Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510

Potential of neutron activation analysis of pesticides and

metabolites. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna, 12-16 1965. sB953.P32. 13527

Fate of 2-methyl-2-(methylthio)propion aldehyde O-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. 13535

Chlorinated hydrocarbon insecticide residues in selected insects and birds found in association with cotton fields. 13540

Pentachloronitrobenzene residues in potatoes. 13543

Spectrophotometric determination of Temik residues in citrus. 13556

Separation, identification, and measurement of dDT and its metabolites. 13567

Determination of residues of chloroneb and a metabolite by microcoulometric gas chromatography. 13654

METAMORPHOSIS
Respiration in Drosophila melanogaster in the course of metamorphosis. effect of puparium formation, nymphal molting, and of emergence. 13044

Ontogeny and comparative radiation sensitivity in the confused flour beetle and strains of the red flour beetle. 13494

METHANOL
Antibiotic product and process of producing same. patent 3,328,248. 13658

METHIONINE
Influence of artifically induced coccidiosis on the methionine requirement of laying hens. 13419

Effects of dietary DL-METHIONINE on tissue levels of glutathione in hypothyroid chicks. 13427

METHODOLOGY
The development and application of pesticide analysis methods. in: Radioisotopes in the detection of pesticide residues: proceedings of a panel Vienna 12-16 April 1965. sB953.P32. 13684

METHOXY-2-BENZOXAZOLINONE, 6-
Spectrophotofluorometric determination of 6-methoxy-2-benzoxazolinone, an indicator of resistance to European corn borer in Zea mays. 13308

METHOXY-3,6-DICHLORO-5-AMINOBENZOIC ACID, 2-
Herbicidal composition and method. patent 3,345,157. 13665

METHYL PARATHION
Parathion and methyl parathion residues on cabbage and southern peas. 13546

METHYLCARBAMOYL)-OXIMES, O-(
Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornanone O-methylcarbamoyl)oximes. absolute structure of tranid miticide. 13651

MIARUS
Notes on certain species of the genus Miarus Stephens (Col. curculionidae). 12985

MICE
Salmonellosis of sheep: use of serum from a vaccinated ewe in a mouse passive protection test. 13426

Toxicity of some goldenrods. 13605

Gas chromatographic measurement of disappearance rates of 2,4-D and 2,4,5-T acids and 2,4-D esters in mice. 13606

MICROANALYSIS
Rapid method for surface residues of organophosphorus pesticides by total phosphorus. 13531

Antibiotic product and process of producing same. patent 3,328,248. 13658

MICROORGANISMS
Alteration of cell wall components during pathogenesis by Rhizoctonia solani. in: Mirocha, C. j., and Uritani, i., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, gamagori, Japan. sB611.C6. 13208

Pathogen-produced determinants of disease and their effects on host plants. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sH611.C6. 13271

Fate of insecticide residues. decomposition of lindane in soil. 13574

Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642

Biocidal quaternary ammonium sulfamates. patent 3,344,018. 13669

Quaternary ammonium xanthates. patent 3,324,134. 13677

Cyclopentadienylimines microbicide. patent 3,328,242. 13679

Method for combating microorganisms with an alkyl substituted oxazoline. patent 3,366,537. 13687

MILK
Relationships between Wisconsin mastitis test scores and cell counts in milk. 13428

Comparison of the California mastitis test, catalase test, and pH readings on quarter milk samples. 13440

Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage. 13529

Determination of residues of Mobil MC-A-600 (benzo(b)thien-4-yl methylcarbamate) and its hydrolysis product (benzo(b)thiophene-4-ol) in coastal bermuda grass and milk. 13530

Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548

Influence of oxytocin on diffusion of sulfonamides from plasma into bovine milk. 13559

Gas chromatographic determination of famphur and its oxygen analog residues in bovine milk, blood, and edible tissues. 13562

MILK FAT
Removal of chlorinated insecticide residues from milk fat by molecular distillation. 13525

MILKING BARNS
Anaerobic lagoon treatment of milking-parlor wastes. 13515

MINERAL OIL
Treatment of ringworm in cattle; deaths following the use of a mixture of creosote and tractor vaporising oil. 13411

The selection of a solvent for use with low volume aerial spraying of cotton plants. 13611

MINERALS
The effects of diet on reproduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. 13454

MINK ENTERITIS VIRUS
Feline panleucopaenia virus. in vitro comparison of strains with a mink enteritis virus. 13424

MITES
New oribatids (Acari) from Australian soils. 12932

Entomology of Antarctica. gL491.G7. 12952

Predation by Fuscuropoda vegetans (Acarina: Uropodidae) and Macrocheles muscaedomesticae (Acarina: Macrochelidae) on the eggs of the little house fly, Fannia canicularis. 12975

MITOCHONDRIA

Occurrence of the larvae of "harvest or scrub itch-mites" (Acarina, Trombidcidea) on a scorpion. 13135

Natural enemies of rust fungi in the tropics. (abstract). 13221

The control of the Carpocapsa pomonella and the fruit acarids. 13303

Field evaluation of Temik against some insects and mites attacking citrus. 13305

The insects injuricus tc potatoes. 13366

The fauna cf stored products in U.A.R. 13490

Integrated house fly control: populaticns of fly larvae and predaceous mites, Macrocheles muscaedomesticae, in poultry manure after larvicide treatment. 13491

MITOCHONDRIA
The respiratory metabolism cf insect flight muscle during adult maturaticn. 13007

Carbohydrate metabolism in the flight muscle of the southern armyworm moth, Prodenia eridania. 13132

Mitochondrial activities of detached tobacco leaves infected with tobacco mosaic virus: the possible source of energy for virus multiplication. in: Mirocha, c. j., and Oritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction; proceedings of a conference held May 15-21, 1966, Gamagori, Japan. sE611.C6. 13236

MOLASSES
Influence of substances and soil treatments on the germination cf spores cf Cochliobolus sativus. 13219

MOLDS
New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483

How fungi attack material. 13485

MOLECULAR BIOLOGY
The dynamic role cf molecular constituents in plant-parasite interaction; proceedings of a conference held may 15-21 1966 at Gamagcrgi, Japan. sE611.C6. 13248

MOLECOLAR DISTILLATION
Removal of chlorinated insecticide residues from milk fat by molecular distillation. 13525

MOLECULAR WEIGHT
Antibiotic circlerosus and process for producing the same. patent 3,345,262. 13644

MOLECULES
Molecular basis for the genetic regulation and coordination cf the differentiaticn process. 13148

MOLTING (INSECTS)
Normal differential counts of haemocytes in relation to ecdysis and feeding in Rhodnius. 13066

Cortisol and growth in insects. 13093

MONURON
Uptake, distribution, and metabolism cf monuron and diuron by several plants. 13568

MOSOCCO
Some notes cn the Rif. 12959

MORTALITY
The analysis of density dependence in studies qn insect population regulation. in: FAO sympcsium on integrated pest ccntrcl, Rcme, 1965. proceedings. SB951. F62. 12962

Effects on light and sugars on rearing the cotton aphid, Aphis gcssypii, on a germ-free and holidic diet. 13006

Anaerobiosis studies with Musca domestica. age and sex differences fcr survival rate and recovery capability. 13037

Effects of temperature on survival and development of the larch sawfly. (Abstract). 13057

Factors affecting adult survival and fecundity in Lasicderma serricorne (F.) (Coleoptera, Anobiidae). 13081

Further studies on the effect of X-irradiation on the house fly, Musca domestica L. 13114

Survival and reproduction in a natural population of the tsetse fly, Glossina palpalis palpalis (Robinson-Desvoidy). 13116

Hibernation of the plum curculio and its spring migration to host trees. 13370

Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. 13412

The reaction of calves to helminth infection under natural grazing conditions. iI. pathology of terminal disease. 13471

Problems with DDT in fish culture operations. 13536

MOSAIC (CHENOPODIUM)
Apple latent virus 2 is Sowbane mosaic virus. 13206

MOSAIC (TOBACCO)
Reactivity of tobacco mosaic virus and its protein toward acetic anhydride. 13228

Polymerization-depolymerization of tobacco mosaic virus protein. x. effect of D2O. 13240

Polymerization-depolymerization of tobacco mosaic virus protein. vIII. light-scattering studies. 13273

MOSAIC (TOMATOES)
Differences in aggressiveness between TMV-ISOLATES from tomato on clones of Lycopersicum peruvianum. 13265

Yield of glasshouse tomatoes as affected by strains of tobacco mosaic virus. 13266

MOSAIC (TURNIPS)
Purification of turnip mosaic virus. 13272

MOSAIC (WHITE CLOVER)
Properties of white clover mosaic virus from indiana. 13207

MOTHS
Beautiful moths. qL543.M63. 12973

MOUTH PARTS
Maxillary glands of some coleopteran larvae. 13130

MUSCA DOMESTICA
Dietary amino acid and nucleic imbalance leading to altered tumour frequency in the adult housefly, Musca domestica. 13013

The calcium-stimulated incorporation of ethanolamine and serine into the phospholipids of the housefly Musca domestica. 13026

Anaerobiosis studies with Musca domestica. age and sex differences for survival rate and recovery capability. 13037

Photodecomposition of dieldrin and aldrin. 13056

Phospholipase activity in Musca domestica L. 13071

Sexual difference in haemolymph protein of several insects. 13074

Further studies on the effect of X-irradiation on the house fly, Musca domestica L. 13114

Some effects of thermal acclimation on muscle apyrase activity and mitochondrial number in Periplaneta americana and Musca domestica. 13138

Egg production of house-fly, adults fed human blood containing various supplements. 13163

Integrated house fly control: populations of fly larvae and predaceous mites, Macrocheles muscaedomesticae, in poultry manure after larvicide treatment. 13491

MUSCLE RELAXANTS
Margin of safety of succinylcholine chloride in horses treated with anticholinesterase pesticides. 13434

MUSCLES
The respiratory metabolism of insect flight muscle during adult maturation. 13007

Structure, fatigue, and enzyme activities in 'fast' insect muscles. 13123

Carbohydrate metabolism in the flight muscle of the southern armyworm moth, Prodenia eridania. 13132

Some effects of thermal acclimation on muscle apyrase activity and mitochondrial number in Periplaneta americana and Musca domestica. 13138

MUTATION
Induced mutation by gamma ray and neutron in tussah silkworm Antheraea pernyi. 13105

MYCOPLASMA GALLISEPTICUM
Cleaning experiment on respiratory mycoplasmosis in breeding chickens with chlortetracycline. 13465

MYMARIDAE
Research of Hymenoptera Chalcidoidea. VI. genera and species new to the Italian entomofauna (Encyrtidae, Aphelinidae, Mymarommidae). 12996

MYZUS PERSICAE
Gustation of dietary amino acids by the aphid Myzus persicae. 13091

Effect of amino acid and sugar concentrations on the food uptake of the aphic Myzus persicae. 13092

NALED
Evaluation of insecticides against four species of adult mosquitoes in the Panama Canal Zone, 1967. 13157

ULV aerial insecticide application for adult mosquito control. 13166

Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, Aedes sollicitans (Walker) and Aedes taeniorhynchus (Wiedemann), in Florida. 13174

NASONIA VITRIPENNIS
Characteristics of phenol oxidases in Nasoniella vitripennis (Walker). 13043

NATURAL CONTROL (INSECTS)
The analysis of density dependence in studies on insect population regulation. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 12962

NAUPHOETA CINEREA
The nature of haemolymph proteins in relation to the ovarian cycle in the viviparous cockroach, Nauphoeta cinerea. 13002

NECROSIS (ONIONS)
Studies on the biology of Botrytis allii on Allium cepa. 13281

NECROTIC RING SPOT (PEACHES)
Reactions of peach trees and peach tree viruses to treatment with dimethyl sulfoxide and other chemicals. 13262

NELIDINA
New neotropical Neocoelidiinae with keys to the species of Coelidiana, Xenocoelidia, and Nelidina (Homoptera: Cicadellidae). 12963

NEMATOCIDES
Influence of nematocidal treatments on nematode populations. 13384

NEMATODES
Nematode parasites of Culicidae and Chaoboridae in Louisiana. 13022

Preliminary observations on the incidence and biology of a mermithid nematode of Aedes sollicitans (Walker) in Louisiana. 13177

Preparing nematode-free banana 'seed'. 13386

Acuaria spirales (dispharynx-nasuta) in a dog. 13472

Oxygen influence on egg production by a parasitic nematode. 13478

NEMATODIRUS
The significance of Nematodirus in New Zealand. 13469

NEOCOELIDIINAE
New neotropical Neocoelidiinae with keys to the species of Coelidiana, Xenocoelidia, and Nelidina (Homoptera: Cicadellidae). 12963

NEODIPRION SERTIFER
Biology of the Ichneumonid parasites of Neodiprion sertifer (Geoffroy) (Hymii Diprionidae) in Europe. 13108

NEOPLASMS
Dietary amino acid and nucleic imbalance leading to altered tumour fregnency in the adult honsefly, Musca domestica. 13013

A further study of neoplasms in abattoir sheep. 13463

NEOPROCHILONEURUS
Research of Hymenoptera Chalcidoidea. VI. genera and species new to the Italian entomofauna (Encyrtidae, Aphelinidae, Mymarommidae). 12996

NERVES
Phenomena of excitation and inhibition in the last abdominal ganglion of the cockroach, Periplaneta americana L. 13019

The effects of acetylcholine at the synaptic and somatic levels in the case of the last abdominal ganglion of the cockroach Periplaneta americana. 13020

Pacemaker for tracheal ventilation in the cockroach, Periplaneta americana (L.). 13042

NERVOUS SYSTEM
Temperature acclimation and its influence on the electrical activity of the nervous system in three species of cockroaches. 13004

Studies on the neurosecretory system and the functional significance of NSM in the aortal wall of the hog, Dysdercus koenigii. 13035

Insecticide mode of action. effect of dieldrin on ion movement in the nervous system of Periplaneta americana and Blattella germanica cockroaches. 13054

NET BLOTCH (BARLEY)
Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease. 13261

NEUROPTERA
Collecting note about certain Neuroptera Planipennia from central France. 12949

NEUTRON ACTIVATION ANALYSIS
Potential of neutron activation analysis of pesticides and metabolites. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna, 12-16 1965. SB953.P32. 13527

Method of activation analysis for mercury in the biosphere and in foods. An addendum. in: Radioisotopes in the detection of pesticide residues: proceedings of a panel Vienna, 12-16 1965. SB953.P32. 13534

NEUTRONS
Induced mutation by gamma ray and neutron in tussah silkworm Antheraea pernyi. 13105

NEW JERSEY
Further records of New Jersey aphids (Homoptera: Aphididae). 12968

NEWCASTLE DISEASE
The influence of Bi Newcastle disease vaccine upon immunity by revaccination with tissue culture Newcastle disease vaccine. 13417

NEWCASTLE DISEASE VIRUS
Response of pigeons to eight strains of Newcastle disease virus. 13407

NICKEL
Nickel-63 foil in a standard concentric cell for electron-capture detection. 13691

NICOTINAMIDE

NICOTINAMIDE
Effect of benzimidazole and kinetin on the nicotinamide nucleotide content of senescing wheat leaves. 13626

NICOTINIC ACID
Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glutamic acid, and arginine supplementation. 13412

Biosynthesis of nicotinic acid by Fusarium oxysporum Schlecht. 13612

NITROGEN
Anaerobiosis studies with Musca domestica. age and sex differences for survival rate and recovery capability. 13037

Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease. 13261

Effects of nitrogen fertilization on cotton under boll weevil attack in North Carolina. 13352

New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483

Travel of nitrogen in soils. 13516

The effect of various nitrogen sources on growth of Botrycsphaeria ribis in vitro. (abstract). 13613

NITROGEN COMPOUNDS
Method for the control of undesirable vegetation. patent 3,330,640. 13399

NOCTICOLA LELEDEI
A new species of Nocticola coming from a cave in the Transvaal (Dictyoptera Nocticolidae). 12941

NOMENCLATURE
The generic names of the butterflies and their type-species, (Lepidoptera: Rhopalocera). 12954

NORBORNENE
Substituted norbornene herbicides. patent 3,324,147. 13640

NOSEMA DISEASE
A survey of Nosema disease in package bees, queens, and attendant bees entering Manitoba (1963-1966). 13065

NUCLEIC ACIDS
Dietary amino acid and nucleic imbalance leading to altered tumour freguency in the adult housefly, Musca domestica. 13013

NUCLEOTIDES
Effect of benzimidazole and kinetin on the nicotinamide nucleotide content of senescing wheat leaves. 13626

O-PHENYL-O'-4-NITROPHENYL METHYLPHOSPHOROTHIOATE
Metabolism of O-phenyl-O'-(4-nitrophenyl) methylphosphonothionate (Colep) in plants and animals. 13555

OATS
Fraser oats. 13279

ODONATA
Data concerning the Hungarian dragonfly fauna (Odonata). 12934

OESOPHAGOSTOMIASIS
Farm-to-farm transmission of porcine Oesophagostomiasis. 13477

OESOPHAGOSTOMOSE
Farm-to-farm transmission of porcine Oesophagostomiasis. 13477

OKRA
The susceptibility of four varieties of okra, Hibiscus esculentus L, to cotton bollworms infestation (Lepidoptera: Acontiidae and Gelechiidae). 13368

OLIVE OIL
Determination of rogor and cidial by the isotope dilution method. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SE953.P32. 13524

ONCOPELTUS FASCIATUS
The physiological division of labour in the salivary glands of Oncopeltus fasciatus (Dall.) (Heteroptera: Lygaeidae). 13090

ONIONS
Selective media to distinguish between two Botrytis species on onion. 13253

Studies on the biology of Botrytis allii on Allium cepa. 13281

OOGENESIS
Changes in electrophoretic properties of haemolymph and terminal oocyte proteins during vitellogenesis in the American cockroach. 13100

ORGANOPHOSPHORUS COMPOUNDS
Topical toxicity of several chlorinated hydrocarbon, organophosphorous, and carbamate insecticides to Lygus hesperus. 13083

Evaluation of insecticides for control of the sugar-beet maggot in Manitoba. 13297

Morphological-biological report of the cabbage maggot "Hylemia brassicae (Bch.)" and experiments in chemical control. 13360

Method for the control of undesirable plant life. patent 3,356,484. 13401

Method for pre-emergence control of undesirable plant life. patent 3,350,192. 13402

Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage. 13529

Rapid method for surface residues of organophosphorus pesticides by total phosphorus. 13531

DDT problem at a glance. 13532

DEF. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iv. herbicides. 395 Z9. 13554

New extraction system for residue analyses. 13565

The use of Folsomia fimetaria and Drosophila melanogaster as test insects for the detection of insecticide residues. 13566

A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrus oils. 13569

Toxic hazards from the use of insecticides in the control of Aedes aegypti. 13576

Effects of pesticides on osmoregulatory ability of estuarine fauna. 13600

Preparation and biological activity of the isomers of dimethyl-1,3-dicarbomethoxy-1-propen-2-yl phosphate (Bomyl). 13649

The ghs chromatographic determination of organophosphorus pesticides. II. a comparative study of hydrolysis rates. 13667

Phosphorus containing pesticidal composition and method of use. patent 3,336,188. 13676

ORNAMENTAL PLANTS
Insects of the season 1966 related to fruit, vegetables and ornamentals. 13325

Economically important nematodes in Ontario, 1966.. 13391

ORTHOPTERA
Records of the orthopteroid insects in Ontario. 12994

ORYZAEPHILUS SURINAMENSIS
Nutritional relationships in larvae of Oryzaephilus surinamensis. 13031

OSCILLOGRAPHS
Responses of tarsal hairs of the bluebottle, Calliphora erythrocephala Meig., to sugar and water. 13102

OSMOSIS
Effects of pesticides on osmoregulatory ability of estuarine fauna. 13600

OSTRINIA NUBILALIS
Ostrinia nubilalis Hubner, injurious to globe artichoke in Egypt (Lepidoptera: Pyralidae). 13300

Spectrophotofluorometric determination of 6-methoxy-2-benzoxazolinone, an indicator of resistance to European corn borer in Zea mays. 13308

OULEMA MELANOPUS
Status of the cereal leaf beetle, Oulema melanopus (L.) Coleoptera: Chrysomellidae in North America. 13379

OVARIES
The nature of haemolymph proteins in relation to the ovarian cycle in the viviparous cockroach, Nauphoeta cinerea. 13002

Ovariole development in worker honey bees. (Abstract). 13064

A simple method of mosquito ovary dissection. 13088

Effect of apholate on reproductive organ of the female silkworm, Bombyx mori, with special reference to histopathological observation of the ovaries. 13136

Influence of age on ovarian function in Drosophila melanogaster. 13140

OVIDUCTS
An outbreak of oviduct adenocarcinoma in laying hens. 13451

OVULATION
Some consequences of copulation in Rhodnius prolixus. 13029

Non-specificity of the male factor enhancing egg-laying in Diptera. 13079

Factors affecting the oviposition of Aedes aegypti. 13137

Lygus bugs. in: Smith, fc. n. insect colonization and mass production. gL497.S6. 13307

Boll weevils. in: Smith, C. n. insect colonization and mass production. gL497.S6. 13323

OXAZOLINES
Method for combating microorganisms with an alkyl substituted oxazoline. patent 3,366,537. 13687

OXIDATION
Toxicity evalnation of air pollutants by use of luminescent bacteria. 13596

Shifts in oxidative metabolism during pathogenesis. in: Mirocha, C. j., and Uritani,I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13621

OXYGEN
Oxygen influence on egg production by a parasitic nematode. 13478

New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483

OXYTOCIN
Influence of oxytocin on diffusion of sulfonamides from plasma into bovine milk. 13559

OZONE
Toxicity evaluation of air pollutants by use of luminescent bacteria. 13596

PALEXORISTA
A revision of the oriental species of Palexorista Townsend (Diptera: Tachinidae, Sturmiini). 12944

PAMPHAGIDAE
Review and preliminary diagnosis of some Pamphagidae and Acrididae from Iran (Orth. acridoidea). 12946

PANONYCHUS CITRI
Citrus red mite, Panonychus citri (McGregor) (Tetranychidae: Acari), recorded from New South Wales. 13324

PANONYCHUS ULMI
Population sampling for integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13376

PARAQUAT
Review of the metabolism and decomposition of diquat and paraquat. 13541

Adsorption of bipyridylium herbicides in soil. 13571

Possible appearance of degradation products of paraquat in crops. in: Isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.S9. 13629

PARASITES
Common disease problems in laboratory animals. 13459

PARASITIC INSECTS
Additional synonymies within the amblyceran bird lice (Mallophaga). 12981

A catalogue of the hymenopterous and dipterous parasites of Chilo zonellus (Swinhoe) (Crambidae: Lepidoptera). 12989

Biology of the Ichneumonid parasites of Neodiprion sertifer (Geoffroy) (Hymii Diprionidae) in Europe. 13108

The small berry sawfly (Pristiphora pallipes Lep), a lesser known pest of gooseberries. 13229

New records of hymenopterous parasites from Achaea janata Linn (Lepidoptera: Noctuidae), a serious pest of castor, (Ricinus communis). 13343

A review of hymenopterous parasites of citrus pest aphids of the world and biological control projects (Hym., Aphidoidea). 13371

PARASITISM
The analysis of density dependence in studies on insect population regulation. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 12962

Nematode parasites of Onlicidae and Chaoboridae in Louisiana. 13022

Preliminary observations on the incidence and biology of a mermithid nematode of Aedes sollicitans (Walker) in Louisiana. 13177

Solute and water relations during infection. iI. obligate parasites: effect on the movement of solutes and water. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13226

The dynamic role of molecular constitutnents in plant-parasite interaction; proceedings of a conference held may 15-21 1966 at Gamagorgi, Japan. sB611.C6. 13248

Role of parasite enzyme and toxins in development of characteristic symptoms in plant disease. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13255

Influence of host-parasite interactions on proteins enzymes, and resistance. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceeding, conference held May 15-21, 1966, Gamagori Japan. sB611.C6. 13274

Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13327

Some aspects about helminth parasites of Sus domesticns Linnaens, 1758, from the State of Bahia, Brazil. 13470

Metabolic shifts during infection. iII. carbon dioxide fixation in the dark as a nutritional factor in parasitism. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role

PARATHION

of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. QE611.C6. 13625

PARATHION
Morphological-biological report of the cabbage maggot "Hylemia brassicae (Bch.)" and experiments in chemical control. 13360

The insects injurious to potatoes. 13366

Control of pink bollworm larvae with soil-applied insecticides. 13378

Parathion and methyl parathion residues on cabbage and southern peas. 13546

PARATHYROID GLANDS
Influence of vitamin D on calcium metabolism and the parathyroid glands of cattle. 13413

PARNASSIUS
Types and typoids of Parnassius (s. l.) found in the Paris Museum (Lep. papilionidae) (concl.). 12935

PARTHENOGENESIS
Formation of sexuparae in the aphid, Eriosoma pyricola, on pear roots. 13122

PARTICLE SIZE DETERMINATION
The selection of a solvent for use with low volume aerial spraying of cotton plants. 13611

Analysis of spray deposits on cards dyed with Sudan Black BB: their preparation and use. 13702

PASTEURIZATION
Sterilization of barley malt with gamma radiation. 13506

PASTURES
Experimental helminthiasis in parasite-free calves on marshland pastures. 13481

PATENTS
Method of inhibiting growth of undesired vegetation. patent 3,352,662. 13396

Method for the control of undesirable vegetation. patent 3,330,640. 13399

Method for the control of undesirable plant life. patent 3,356,484. 13401

Method for pre-emergence control of undesirable plant life. patent 3,350,192. 13402

Method for inhibiting growth of undesirable plants. patent 3,334,990. 13403

Herbicidal composition and method. patent 3,355,278. 13405

Herbicidal composition and method= patent 3,330.641. 13406

Immunizing pigs against hog cholera with selected strains of live virus diarrhea virus and preparation of virus diarrhea virus hyper-immune hog cholera serum. patent 3,346,456. 13408

Bovine vibriosis vaccine and method of administering same. patent 3,329,573. 13422

Antifungal antibiotic and method of producing same. patent 3,350,726. 13435

Method of treating bovine mastitis. patent 3,347,743. 13443

Method of protecting the offspring of a herd of breeding swine from turbinate atrophy. patent 3,336,190. 13452

Treatment of fruits and the like to inhibit decay. patent 3,347,683. 13486

Contact avicides. patent 3,340,142. 13592

Process for plant defoliation. patent 3,359,092. 13614

Substituted norbornene herbicides. patent 3,324,147. 13640

Pesticidal halocyclopentadiene adducts. patent 3,356,688. 13641

Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642

Antibiotic cirolerosns and process for producing the same. patent 3,345,262. 13644

Herbicidal composition and method employing substituted carbanilates. patent 3,333,947. 13647

Substituted carbanilate herbicides. patent 3,334,130. 13648

Herbicidal composition and method. patent 3,345,151. 13650

Method for combating insects with 5-formamido-1-naphthyl N-methylcarbamate. patent 3,323,989. 13652

Fungicidal n-substituted derivatives of halogenated. salicylideneimines. patent 3,357,883. 13656

Antibiotic product and process of producing same. patent 3,328,248. 13658

Insecticidal and fungicidal usage of beta-arylamino cinnamoyl compounds. patent 3,355,351. 13659

Derivatives of pyridazone and a method for their use as herbicides. patent 3,360,357. 13660

Pyridazone derivatives and their use as herbicides. patent 3,341,317. 13661

Pyridazone derivatives and herbicidal compositions containing them. patent 3,323,893. 13662

Herbicidal compositions. patent 3,333,943. 13663

Herbicidal composition and method. patent 3,343,938. 13664

Herbicidal composition and method. patent 3,345,157. 13665

Herbicidal composition and method. patent 3,333,946. 13666

Thiol-phosphoric acid esters fungitoxic agents. patent 3,357,882. 13668

Biocidal quaternary ammonium sulfamates. patent 3,344,018. 13669

Fungicidal compositions and methods. patent 3,345,258. 13670

Pharmaceutical compositions and methods utilizing 2-aminoadamantane and its derivatives. patent 3,328,251. 13671

Antiviral antibiotic from trichoderma todica and method of producing same. patent 3,323,996. 13673

Compositions and methods of use of dihalogenated alkane amides. patent 3,332,845. 13675

Phosphorus containing pesticidal composition and method of use. patent 3,336,188. 13676

Quaternary ammonium xanthates. patent 3,324,134. 13677

Process for controlling fungi with anthraquinone derivatives. patent 3,326,750. 13678

Cyclopentadienylimines microbicide. patent 3,328,242. 13679

Method of controlling microbes by means of tetrahalocyclopentadienyldiamines. patent 3,341,405. 13680

Herbicidal method employing trichlorobenzyloxyalkyl esters of chlorinated aliphatic acids. patent 3,338,703. 13681

Sulfur-containing carbamate insecticides. patent 3,349,115. 13682

Method of controlling plant growth. patent 3,336,131. 13683

Method and composition for controlling fungi. patent 3,323,984. 13685

Pesticidal wettable powder formulation. patent 3,342,581. 13686

Method for combating microorganisms with an alkyl substituted oxazoline. patent 3,366,537. 13687

Method of producing an antibiotic quinomycin B. patent 3,332,843. 13688

PEACHES
Reactions of peach trees and peach tree viruses to treatment with dimethyl sulfoxide and other chemicals. 13262

Gas chromatographic determination of captan residues. 13550

PEANUTS
Effects of three soil-inhabiting fungi on axenic peanut plants. (abstract). 13216

PEARLMILLET
Studies on the susceptibility of different varieties of sorghum, maize and bajra to Chilo zonellus (Swinhoe) under field and cage conditions and the methods of determining it. 13340

PEARS
An area control program for the pear psylla. 13311

The performance, phytotoxicity and persistence of three petroleum oils for control of the pear psylla. 13346

PEAS
Isolation, incidence, and virulence of Ascochyta spp. of peas from the soil. 13285

Influence of some environmental factors on the susceptibility of Pisum sativum to Botrytis cinerea. 13289

Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553

Studies on the regulation of cellulase activity and growth in excized pea epicotyl sections. 13615

The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of 14C-labelled organic acids by pea root tips. 13620

Isolation of a novel auxin, methyl 4-chloroindoleacetate from immature seeds of Pisum sativum. 13624

PECTINOPHORA GOSSYPIELLA
Effect of treating cotton seed with dieldrin, Abavit B, and aldrin on the emergence of pink bollworm moths. 13341

The susceptibility of four varieties of okra, Hibiscus esculentus L, to cotton bollworms infestation (Lepidoptera: Acontiidae and Gelechiidae). 13368

Control of pink bollworm larvae with soil-applied insecticides. 13378

PEDESTREDUCATION
A new description from Greece (Col. cerambycidae). 12938

PENICILLIUM
Metabolism of chlorinated insecticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SB953.P32. 13551

PENTACHLORO COMPOUNDS
Photodecomposition of dieldrin and aldrin. 13056

PENTACHLOROANILINE
Pentachloronitrobenzene residues in potatoes. 13543

PENTACHLORONITROBENZENE
Pentachloronitrobenzene residues in potatoes. 13543

Determination of terrachlor in crops and soil by electron-capture gas chromatography. 13558

PENTATOMIDAE
A contribution to the knowledge of the diapause in Perillus bioculatus (Fabr) (Heteroptera, Pentatomidae). 13063

PEPTIDES
Vasoactive peptides in venoms. 13591

PERILLUS BIOCULATUS
A contribution to the knowledge of the diapause in Perillus bioculatus (Fabr) (Heteroptera, Pentatomidae). 13063

PERIPLANETA AMERICANA
Temperature acclimation and its influence on the electrical activity of the nervous system in three species of cockroaches. 13004

Phenomena of excitation and inhibition in the last abdominal ganglion of the cockroach, Periplaneta americana L. 13019

The effects of acetylcholine at the synaptic and somatic levels in the case of the last abdominal ganglion of the cockroach Periplaneta americana. 13020

Pacemaker for tracheal ventilation in the cockroach, Periplaneta americana (L.). 13042

Multipolar stretch receptors and the insect leg reflex. 13048

Insecticide mode of action. effect of dieldrin on ion movement in the nervous system of Periplaneta americana and Blattella germanica cockroaches. 13054

Sexual difference in haemolymph protein of several insects. 13074

Changes in electrophoretic properties of haemolymph and terminal oocyte proteins during vitellogenesis in the American cockroach. 13100

Structure, fatigue, and enzyme activities in 'fast' insect muscles. 13123

Some effects of thermal acclimation on muscle apyrase activity and mitochondrial number in Periplaneta americana and Musca domestica. 13138

PERONOSPORA TABACINA
Cryogenic storage of conidia of Peronospora tabacina. (abstract). 13214

PERSIAN WALNUTS
Bacterial phloem canker, a new disease of Persian walnut trees. 13290

PERSISTENCE
The determination of DDT deposited on cotton plants in an airspray trial in Tanzania. 13286

Effect of environmental and biological factors on persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. 13607

PERTHANE
An area control program for the pear psylla. 13311

PEST CONTROL
Persistent pesticides. 2. 13557

Pest control's 7th annual industry economic forecast fast track for '68. 13704

Federal committee on pest control. 13708

PEST CONTROL OPERATORS
Pest control's 7th annual industry economic forecast fast track for '68. 13704

PESTICIDE ANALYSIS
Aldrin adsorption by soils and clays. 13521

Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin). 13528

Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage. 13529

Determination of residues of Mobil MC-A-600 (benzo(b)thien-4-yl methylcarbamate) and its hydrolysis product (benzo(b)thiophene-4-ol) in coastal bermuda grass and milk. 13530

Rapid method for surface residues of organophosphorus pesticides by total phosphorus. 13531

Note on the effect of sample moisture content on extraction

PESTICIDE APPLICATION

of TDE from kale. 13533

Method of activation analysis for mercury in the biosphere and in foods. An addendum. in: Radioisotopes in the detection of pesticide residues: proceedings of a panel Vienna, 12-16 1965. sB953.P32. 13534

Colorimetric determination of Alar residues in apples. 13539

Pentachlorcritrobenzene residues in potatoes. 13543

Additional cleanup of samples on gLC column for tLC determination of pesticide residues. 13545

Gas chromatographic determination of captan residues. 13550

Chloranil. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iii. fungicides, nematocides. and soil fumigants, rodenticides, and food and feed additives. 395 Z9. 13552

DEF. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iv. herbicides. 395 Z9. 13554

Determination of terrachlor in crops and soil by electron-capture gas chromatography. 13558

Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat foliage. 13560

Distribution of p,p'-DDT residues in adipose and muscle tissues of beef cattle. 13564

New extraction system for residue analyses. 13565

Separation, identification, and measurement of dDT and its metabolites. 13567

A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrus oils. 13569

Problems in WHO on pesticide residues. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. sB953.P32. 13570

Report on herbicides and plant growth regulators. 13573

Chemical and physical nature of plant cuticles in relation to the deposition and penetration of pesticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965 SB953. P32. 13623

Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. 13627

The new florisil: a statistical evaluation for chlorinated pesticides. 13633

Gas chromatographic analysis of the insect attractant cue-lure and related compounds. 13637

Ascending paper chromatography: A way to do it. 13646

Identification of the aldrin artifact. 13653

Determination of residues of chloroneb and a metabolite by microcoulometric gas chromatography. 13654

Determination of carbaryl and some other carbamates by gas chromatography. 13674

The development and application of pesticide analysis methods. in: Radioisotopes in the detection of pesticide residues: proceedings of a panel Vienna 12-16 April 1965. sB953.P32. 13684

Nickel-63 foil in a standard concentric cell for electron-capture detection. 13691

PESTICIDE APPLICATION

Low volume spraying superior, less expensive for planes in Bakersfield, California, district. 13695

Analysis of spray deposits on cards dyed with Sudan Black BB: their preparation and use. 13702

Federal committee on pest control. 13708

PESTICIDE RESIDUES

New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483

Aldrin adsorption by soils and clays. 13521

The joint FAO/ WHO programme on the toxicity of pesticide residues in food. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 april 1965. sB953.P32. 13523

Determination of rogor and cidial by the isotope dilution method. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SB953.P32. 13524

Potential of neutron activation analysis of pesticides and metabolites. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna, 12-16 1965. sB953.P32. 13527

Method of activation analysis for mercury in the biosphere and in foods. An addendum. in: Radioisotopes in the detection of pesticide residues: proceedings of a panel Vienna, 12-16 1965. sB953.P32. 13534

A survey of organic chloride impurities in food grade hydrochloric acid. 13537

A report on residues in food. 13538

Colorimetric determination of Alar residues in apples. 13539

Pentachloronitrobenzene residues in potatoes. 13543

Additional cleanup of samples on gLC column for tLC determination of pesticide residues. 13545

Unintentional biological effects of pesticide application. (Summary). in: FAO symposium on integrated pest control, Rome, 1965. Proceedings. SB951. P62. 13547

Chloranil. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iii. fungicides, nematocides. and soil fumigants, rodenticides, and food and feed additives. 395 Z9. 13552

Spectrophotometric determination of Temik residues in citrus. 13556

Persistent pesticides. 2. 13557

Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat foliage. 13560

New extraction system for residue analyses. 13565

Food and health - the safe use of pesticides. 13577

Problems in FAO on human and animal intoxication. in: radioisotopes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 april 1965. sB953.P32. 13603

Chemical and physical nature of plant cuticles in relation to the deposition and penetration of pesticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965 SB953. P32. 13623

Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. 13627

Nickel-63 foil in a standard concentric cell for electron-capture detection. 13691

PESTICIDES

A.v.c. agreport. 2. 13191

Index of phytosanitary products, catalog of active materials and commercial specialties. ed. 6. s585.a82 1967. 13192

Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13335

Margin of safety of succinylcholine chloride in horses treated with anticholinesterase pesticides. 13434

Secretary Freeman announces pesticide decontamination program. 13511

Anaerchic degradation of selected chlorinated hydrocarhon pesticides. 13513

Inspecter's manual. aS951.A5052. 13522

Persistent pesticides. 2. 13557

Prevention and first aid for livestock poisoned with chemicals. sF757.5.N3. 13561

Dispcsal and deccntamination of ag chemical containers. 13588

Effects of pesticides on osmcregulatcry ability of estnarine fauna. 13600

Biochemical toxicclogy. 13604

Russian drug index. ed. 2. RS91 .J3. 13638

Resistarce cf carcincgenic crgaric ccmpounds to oxidation hy activated sludge. 13639

Pesticidal halocyclopentadiene adducts. patent 3,356,68B. 13641

Biocidal quaternary ammonins sulfamates. patent 3,344,01B. 13669

Cyclopentadienylimines micrchicide. patent 3,328,242. 13679

Pesticidal wettatle powder formulation. patent 3,342,5B1. 13686

Pesticide prognosis. 13705

Florida chemical ccmmunication pilct project. 13707

PETHOIEOM
The performance, phytotoxicity and persistence of three petrclenm cils fcr control cf the pear psylla. 13346

PHAENICIA SERICATA
A comparative study of larval embryogenesis in the mosgnitc Culex fatigans Wiedemann (Diptera: cnlicidae) and the sheep-fly, Lucilia sericata Meigen (Diptera: Calliphoridae). i. description of embryonic development. 13030

PHAHMACCLCGY
Ccmparative pharmacclogy of some animal toxins. 13594

PHEASANTS
Method cf activaticn analysis fcr mercury in the hiosphere and in focds. An addendnm. in: Radioisotopes in the detecticn of pesticide residues: proceedings of a panel Vienna, 12-16 1965. sB953.P3Z. 13534

PHENOLASES
The activation of prophenolcxidase dnring melanization of the pnpal hlood of the Chinese cak silkmoth, Antheraea pernyi. 13039

Natural suhstrates of the phenoloxidase in the pupal hlood of the silkmoths, Antheraea pernyi and A eucalypti. 13040

Characteristics of phenol oxidases in Mormoniella vitripennis (Walker). 13043

Some effects of mclecular structure upon anticholinesterase and insecticidal activity of substituted phenyl N-methylcarhamates. 13643

PHENOLS
The occnrrence of acid hydrclyzahle phenolics in relation to Fusarium wilt disease in tomato plants. 13283

PHENTHOATE
Determination cf rogor and cidial hy the isotope dilution method. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. SB953.P32. 13524

PHENYL N-METHYLCAHHAMATES
Some effects of mclecnlar structure npon antichclinesterase and insecticidal activity of substituted phenyl N-methylcarhamates. 13643

PHENYLALANINE
Dietary amino acid and nucleic imbalance leading to altered tumour freguency in the adult housefly, Musca domestica. 13013

PHENYLCAHHAMATES
Influence of physicochemical properties on hiodegradahility of phenylcarhamate herhicides. 13549

PHEHOMONES
Pheromones of the gueen honeyhee (Apis mellifera L.) which enahle her workers to follow her when swarming. 13018

PHILAENOS SPUMAHIOS
The polymorphism in Philaenus spumarius (L.) (Hemiptera: Cercopidae) in Hritish Columhia. 13041

PHOMA
The Phoma organisms causing gangrene of potatoes. 13212

PHOHATE
Control of pink hollworm larvae with soil-applied insecticides. 1337B

PHORMIA REGINA
Phospholipase activity in Musca domestica L. 13071

PHOSPHATES
Rapid method for surface residnes of organophosphorus pesticides hy total phosphorns. 13531

Persistent pesticides. 2. 13557

The toxicity of dimethyl 2-(alpha-methylhenzyloxycarhonyl)-1-methylvinyl phosphate (Shell Compound 4294) to livestock. 13601

PHOSPHOLIPASE
Phospholipase activity in Musca domestica L. 13071

PHOSPHOLIPIDS
The calcium-stimnlated incorporation of ethanolamine and serine into the phospholipids of the housefly Musca domestica. 13026

Phospholipids in the haemolymph of desert locust, Schistocerca gregaria Forskal. 13089

PHOSPHORIC ACID
Contact avicides. patent 3,340,142. 13592

PHOSPHOROTHIOIC ACID COMPOUNDS
Thiol-phosphoric acid esters fungitoxic agents. patent 3,357,882. 13668

PHOSPHOROS
Note on the effect of N, P, and K in several Alherta soils on the resistance of gateway harley to the net hlotch disease. 13261

PHOTOCHEMISTRY
Anisic acid esters as knockdown agents. 1300B

Toxicity evaluation of air pollutants hy use of luminescent hacteria. 13596

PHOTOMETRY
Gas chromatographic analysis of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) and 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Hidrin). 13528

A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrns oils. 13569

PHOTOPEHIODISM
Non-dependence of the saturation of depot fat on temperature and photoperiod in a hihernating mosguito. 13050

Interruption of diapause and rearing larvae of Cnliseta melanura (Coq). 13055

Formation of sexnparae in the aphid, Eriosoma pyricola, on pear roots. 13122

Influence of daylength on auxin prodnction in flower huds of the lowhush hlneherry. 13609

PHTHALIC CCMPCUNDS

PHTHALIC CCMPCUNDS
Herbicidal composition and methcd. patent 3,343,938. 13664

PHYTOPHTHCRA FRAGARIAE
Susceptibility of members of the Rosaceae to races of Phytcphthcra fragariae. 13259

PHYTOPHTHCRA PALMIVCRA
Black-pod disease cf Theobroma cacao. (Abstract). 13280

PHYTOPHTHCRA PARASITICA NICOTIANAE
Effect of soil moisture and soil temperatnre on black shank disease development in tobacco. 13246

Effect of calcium nutrition cn black shank of tchacco. (abstract). 13250

PHYTOSEIIDAE
Population sampling for integrated ccntrol. in: FAO symposium cn integrated pest ccntrol, Rome, 1965. proceedings. SB951. F62. 13376

PHYTOTOXICITY
Phytotoxicity and wirewcrm-ccntrol efficacy of insecticidal dressings applied to cereal seed up to a year bcfcre planting. 13310

PICEA ENGELMANNI
Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SB996 .W6K6. 13342

PICICRAM
Determinaticn of the herbicide Tordon (4-aminc-3,5,6-trichloropicclinic acid) in soil by electron captnre gas chrcmatography. 13517

PICOLINIC ACID
Biochemical respcnse of plants to toxins produced by the rice blast fungus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular ccnstituents in plant-parasite interaction. proceedings, ccnference held May 15-21, 1966, Gamagori, Japan. sE611.c6. 13278

PIEBIS BRASSICAE
Kinetic organizaticn of Lepidcptera chromoscmes. 13144

Purificaticn of a protein frcm Bacillus thnringiensis toxic tc larvae of Lepidoptera. 13634

PIGEONS
Respcnse of pigeons to eight strains of Newcastle disease virus. 13407

Contact avicides. patent 3,340,142. 13592

PINUS
Ips bark beetle attacks and brood development on a lightring-struck pine in relaticn to its physiological decline. 13298

Southern pine beetles. in: smith, C. n. insect colonization and mass prcduction. qL497.S6. 13314

The European pine shoot moth, Rhyacionia buoliana (Lepidoptera: Olethreutidae), another introduced forest pest. 13332

PINUS CCNTORTA LATIFOLIA
Ips plastcgraphus (Coleoptera: Scolytidae) tunnelling in sapwood of lcdgepcle pine in California. 13344

PINUS ECHINATA
Histology cf Crcnartium guercuum galls on shortleaf pine. 13238

Simulated Nantucket pine tip moth attacks reduce root development of shortleaf pine seedlings. 13317

PIPER BETLE
Some new pests of betelvine. 13339

PIPERONYL BUTOXIDE
Determination of piperonyl butoxide hy gas chromatography. 13645

PIRICULARIA CRYZAE
Studies on the physiologic races of the rice blast fungus, Piricularia oryzae Cav. SE60B. R5 C5. 13218

Biochemical response of plants to toxins produced by the rice blast fungus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role cf molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.c6. 13278

PIRICULABIN
Biochemical response of plants to toxins produced by the rice blast fungus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role cf molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.c6. 13278

PLANIPENNIA
Collecting note about certain Neuroptera Planipennia from central France. 12949

PLANT ANATOMY
The dynamic role of molecular constitutuents in plant-parasite interaction; proceedings of a conference held may 15-21 1966 at Gamagorgi, Japan. sH611.C6. 13248

PLANT BIOCHEMISTRY
The biochemistry and physiology of infections plant disease. sb601 .g6. 13238

The occurrence of acid hydrolyzable phenolics in relation to Fusarium wilt disease in tomato plants. 13283

The effect of 4-hydroxy-3,5-diiodohenzonitrile (ioxynil) on respiratory electron transport in Vicia faba L. 13400

Biosynthesis of nicotinic acid by Fnsarinm oxysporum Schlecht. 13612

Biochemical investigations into the effect of DDT on barley. 13622

PLANT BREEDING
Distribution and concentration of HCN in a sorghum-sudan-grass hybrid. 13632

PLANT COMPOSITION
Constituents of the cotton hud. iX. further studies cn a polar boll weevil feeding stimulant complex. 13374

PLANT DISEASE CONTROL
Prognosis and signalization as basis in pest and disease control. 13195

Heat treatment and meristem culture for the prodncticn of virus-free plant material. 13237

Experiments on controlling strawberry botrytis rct by spraying. sB953.M6. 13251

On heat treatment of Chrysanyhemnm morilifolium against Puccinia horiana. 13293

Cyclopentadienylimines microbicide. patent 3,328,242. 13679

PLANT DISEASE RESISTANCE
General and specific combining ability in seven inhred strawberry lines. 13197

Influence of environmental temperatures on metabolic alterations related to disease resistance in sweet potato roots infected hy black rot. 13201

Factors determining resistance of elms to Ceratocystis ulmi. 13227

Effect of soil moisture and soil temperatnre on black shank disease development in tobacco. 13246

Differential resistance of cell walls of Acer psendo-platanus, Triticum vulgare, Hordeum vnlgare, and Zea mays to polysaccharide-degrading enzymes. 13247

Effect of calcium nutrition on black shank of tobacco. (abstract). 13250

How plants fight disease. 13252

Susceptibility of members of the Rosaceae to races of Phytophthora fragariae. 13259

Linkage studies on the resistance to bacterial leaf blight, Xanthomonas oryzae (Uyeda et Ishiyama) Dowson, in rice. 13269

Influence cf host-parasite interactions on proteins enzymes, and resistance. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceeding, ccnference held May 15-21, 1966, Gamagori Japan. sB611.C6. 13274

Fraser oats. 13279

Genetics cf resistance to leaf rust in the common wheat varieties Webster, Loros, Brevit, Carina, Malakof. and Centenaric. 13319

Essential role of chemicals in crop protection. in: FAO symposium cn integrated pest control, Rome, 1965. proceedings. SB951. F62. 13356

Shifts in oxidative metabolism during pathogenesis. in: Mirocha, C. j., and Uritani,I., ed. the dynamic role of molecular constituents in plant-parasite interaction. prcceedings, ccrference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13621

PLANT DISEASE TRANSMISSION
Factors affecting transmission of tristeza virus by melon aphids. 13254

Evaluation of the relative importance of soil and seed as source cf the inoculum cf silver scurf of potatoes by means cf a repression test. 13270

The importance of insects tc the spreading of oak wilt. 13350

Dual transmission cf tobacco ringspot virus and tomato ringspot virus by Xiphinema americanum. 13383

PLANT DISEASES
Diseases and parasites of the vine. ed. 3. SB609.G7 L3 1966. 13193

Atlas of diseases and pests of vegetables. SB731. A4. 13203

Ecology of plant pathogens in soil. vII. mathematical models and inoculum density. 13205

Summary of the prevalence of plant diseases in Canada in 1965. a compilation. 13220

Solute and water relations during infection. iI. obligate parasites: effect on the movement of solutes and water. in: Mircoha, C. j., and Uritani, I., ed. the dynamic role of molecular constitnents in plant-parasite interaction. proceedings, ccnference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13226

The biochemistry and physiolcgy of infectious plant disease. sb601 .s6. 13234

The dynamic role cf molecular constitutuents in plant-parasite interaction; prcceedings of a ccnference held may 15-21 1966 at Gamagorgi, Japan. sB611.C6. 13248

Role cf parasite enzyme and toxins in development of characteristic symptoms in plant disease. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13255

Qualitative and quantitative aspects of the gradnate curriculum in plant pathology. 13263

Pathogen-prcduced determinants of disease and their effects on hcst plants. in: Mirocha, C. j., and Uritani, I., ed. the dynamic rcle cf molecular ccnstituents in plant-parasite interaction. proceedings, ccnference held May 15-21, 1966, Gamagori, Japan. sE611.C6. 13271

The relaticn cf metabolic changes in infected plants to changes in enzymatic activity. in: Mirocha, C. j., and Dritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966. sB611.C6. 13282

PLANT ECOIOGY
Inflnence cf some environmental factcrs on the susceptibility of Pisum sativum to Botrytis cinerea. 13289

PLANT EXTRACTS
Influence of daylength on auxin production in flower buds of the lowbush blueberry. 13609

PLANT GALLS
Histology of Cronartium quercuum galls on shortleaf pine. 13238

Resistance of axenic tomato seedlings to Meloidogyne incognita acrita and to M. hapla. 13381

PLANT GENETICS
General and specitic combining ability in seven inbred strawberry lines. 13197

Linkage studies on the resistance to bacterial leaf blight, Xanthomonas oryzae (Uyeda et Ishiyama) Dowson, in rice. 13269

Genetics of resistance to leaf rust in the common wheat varieties Webster, Loros, Brevit, Carina, Malakof. and Centenario. 13319

Inheritance of virulence in wheat leaf rust on the standard differential wheat varieties. 13367

PLANT GROWTH INHIBITORS
Some properties of a germination inhibitor from Puccinia sorghi uredospores. (abstract). 13264

Response of Heterodera trifolii in red clover roots to Azauracil and other inhibitors. 13382

Colorimetric determination of Alar residues in apples. 13539

Heat-labile growth-inhibiting factors in beans (Phaseolus vulgaris). 13619

Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. 13627

Fatty alcohol inhibition of tobacco auxiliary and terminal bud growth. 13630

PLANT HARDINESS
Cryogenic storage of conidia of Peronospora tabacina. (abstract). 13214

Effect of Alar on winterhardiness of raspberries. 13616

PLANT INJURIES
Studies on the susceptibility of different varieties of sorghum, maize and bajra to Chilo zonellus (Swinhoe) nnder field and cage conditions and the methods of determining it. 13340

The selective advantage accrning to lygus bugs that cause blasting of floral parts. 13373

Possible appearance of degradation products of paraquat in crops. in: Isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.S9. 13629

PLANT METABOLISM
Influence of envirnnmental temperatures on metabolic alterations related to disease resistance in sweet potato roots infected by black rot. 13201

The relation of metabolic changes in infected plants to changes in enzymatic activity. in: Mirocha, C. j., and Dritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966. sB611.C6. 13282

Recent research on the fate of herbicides in crop plants. in: isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. s589.S9. 13404

Metabolism of carbon-14 triflnralin in carrots. 13542

Absorption of organochlorine insecticide residues from agricultural soils by root crops. 13544

Translocation of insecticides from soils into pea plants effects of the detergent lAS on translocation and plant growth. 13553

Metabolism of O-phenyl-O'-(4-nitrophenyl) methylphosphonothionate (Colep) in plants and animals. 13555

PLANT NEMATODE RESISTANCE

Uptake, distribution, and metabolism of monuron and diuron by several plants. 13568

Metabolism of amino acids in agrobacterium tumefaciens. iII. uptake of L-proline. 13608

The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of 14C-labelled organic acids by pea root tips. 13620

Shifts in oxidative metabolism during pathogenesis. in: Mircchа, C. j., and Uritani,I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13621

Metabolic shifts during infection. iII. carbon dioxide fixation in the dark as a nutritional factor in parasitism. in: Mirocha, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13625

Degradation of aromatic amino acids by fungi. iI. purification and properties of phenylalanine ammonia-lyase from Ustilago hordei. 13628

PLANT NEMATODE RESISTANCE

Resistance of axenic tomato seedlings to Meloidogyne incognita acrita and to M. hapla. 13381

Influence of nematocidal treatments on nematode populations. 13384

PLANT NEMATODES

Influence of potassium chloride on the interrelationship of fungi and a nematode in alfalfa roots. (abstract). 13242

Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13327

The insects injurious to potatoes. 13366

Response of Heterodera trifolii in red clover roots to Azauracil and other inhibitors. 13382

Dual transmission of tobacco ringspot virus and tomato ringspot virus by Xiphinema americanum. 13383

Influence of nematocidal treatments on nematode populations. 13384

Electron microscopy of a plant-parasitic nematode, Pratylenchus penetrans. (abstract). 13385

Comparison of the pathogenicity and development of the Va. 2 isolate of Heterodera glycines on Pickett and Lee soybeans. (abstract). 13387

Development of 11 isolates of Heterodera glycines on six legumes. (abstract). 13388

On the occurrence of the burrowing nematode, Radopholus similis (Cobb, 1893) Thorne, 1949, on banana in Kerala. 13389

Economically important nematodes in Ontario, 1966.. 13391

PLANT NUTRITION

Metabolic shifts during infection. iII. carbon dioxide fixation in the dark as a nutritional factor in parasitism. in: Mircchа, C. J., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13625

PLANT NUTRITIONAL DEFICIENCIES

Influence of some environmental factors on the susceptibility of Pisum sativum to Botrytis cinerea. 13289

PLANT PEST CONTROL

Index of phytosanitary products, catalog of active materials and commercial specialties. ed. 6. s5B5.a82 1967. 13192

Diseases and parasites of the vine. ed. 3. SB609.G7 L3 1966. 13193

Prognosis and signalization as basis in pest and disease control. 13195

Closed quarantine procedures. 13196

The effect of wheat bug control chemicals on other wheat pests. 13326

PLANT PEST RESISTANCE

Spectrophotofluorometric determination of 6-methoxy-2-benzoxazolinone, an indicator of resistance to European corn borer in Zea mays. 13308

Differential resistance of some maize composites, composite crosses, hybrids, and varieties to Chilo zonellus Swinhoe (Crambidae: Lepidoptera. i. 13313

Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13327

Studies on the susceptibility of different varieties of sorghum, maize and hajra to Chilo zonellus (Swinhoe) under field and cage conditions and the methods of determining it. 13340

The susceptibility of four varieties of okra, Hibiscus esculentus L, to cotton bollworms infestation (Lepidoptera: Acontiidae and Gelechiidae). 13368

Status of the cereal leaf beetle, Oulema melanopus (L.) Coleoptera: Chrysomellidae in North America. 13379

PLANT PHYSIOLOGICAL DISEASES

Ips bark beetle attacks and brood development on a lightning-struck pine in relation to its physiolcgical decline. 13298

PLANT PHYSIOLOGY

Influence of certain exoascids on development of the epidermis and the foliar stomatic apparatus of their hosts. 13224

Effects of tomato ringspot virus plant and fruit development of raspberries. 13230

The biochemistry and physiology of infections plant disease. sh601 .g6. 13234

Simulated Nantucket pine tip moth attacks reduce root development of shortleaf pine seedlings. 13317

Studies on the regulation of cellulase activity and growth in excized pea epicotyl sections. 13615

PLANT PROTECTION

Biological control and alternative control schemes. A. s. halachowsky and F. wilson, rapporteurs. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13320

Use of pesticides in selective manners. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13322

Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13335

Possibilities for utilization of entomopathogenic microorganisms in integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13336

Essential role of chemicals in crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13356

Some costs of insect damage and crop protection. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13372

PLANT PROTEINS

Influence of host-parasite interactions on proteins enzymes, and resistance. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceeding, conference held May 15-21, 1966, Gamagori Japan. sB611.C6. 13274

PLANT QUARANTINE
Closed guarantine procedures. 13196

Insect intercepticns made from the seed samples imported and exported for plant introdnction work during the period August 1960 to December 1964. 13377

Status of the cereal leaf beetle, Oulema melanopus (L.) Coleoptera: Chryscmellidae in North America. 13379

PLANT REGULATORS
Plant growth regulant. Biochemical behavior of 2-chloroethyl trimethylammcnium chloride in wheat and in rats. 13526

Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat fcliage. 13560

Report cn herbicides and plant growth regulators. 13573

Influence cf daylength on anxin production in flower buds of the lowbush blueberry. 13609

Studies on the regulation of cellulase activity and growth in excized pea epicotyl sections. 13615

Effect cf gibberellin on the free auxin content in the period cf spike differentiation of barley. 13618

Isolatien of a novel anxin, methyl 4-chlorcindoleacetate from immature seeds of Pisum sativum. 13624

Fatty alcchol inhibition of tobacco auxiliary and terminal bud growth. 13630

Evaluation of regrowth potential of perennial forage crops using triphenyltetrazolium chloride. 13631

PLANT SENESCENCE
Effect cf benzimidazole and kinetin on the nicotinamide nuclectide ccntent of senescing wheat leaves. 13626

PLANT TAXCNCMY
Bacterial phlcem canker, a new disease of Persian walnut trees. 13290

Proteins and catalase isoenzymes from Fusarium solani and their taxcnomic significance. 13617

PLANT TRANSLCCATION
Effects of removal of leaves and tops on translocation of pctatc virus X and potato virus YN in potato plants. 13211

Solnte and water relaticns dnring infection. iI. obligate parasites: effect on the movement of solutes and water. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecnlar constituents in plant-parasite interaction. proceedings, ccnference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13226

Recent research on the fate of herbicides in crop plants. in: isotopes in weed research; proceedings of a symposium vienna 25-29 Octcber 1965. s589.S9. 13404

Absorption of organochlorine insecticide residues from agricultural soils by root crops. 13544

Translocation of insecticides frcm soils into pea plants effects of the detergent lAS on translocation and plant growth. 13553

Derivatives of (+)-limonene. detecticn and translocation of quaternary ammonium plant growth retardants in young grapefrnit and bean seedlings. 13627

PLANT WATER RELATICNS
Physiolcgy of wilt disease. in: Mirocha, C. j., and Uritani, I., ed. the dynamic rcle cf molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gramagori, Japan. sB611.B6. 13225

Solute and water relations during infection. iI. obligate parasites: effect on the movement of solntes and water. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, ccnference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13226

PLANTS
Handling plants for macro-autoradiography, in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s589.s9. 13397

Retention of vaporized lindane by plants and animals. 13602

PLODIA INTERPUNCTELLA
Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with Bakthane L-69. 13489

PLUMS
Hibernation of the plum curculio and its spring migration to host trees. 13370

POISONING
Treatment of ringworm in cattle; deaths following the use of a mixture of creosote and tractor vaporising oil. 13411

Acacia nilotica (L.) Del. suhsp. kraussiana (Benth.) Brenan. as a poisonous plant in South Africa. 13457

Prevention and first aid for livestock poisoned with chemicals. sF757.5.N3. 13561

Studies on experimental poisoning of agricultural chemicals in dogs. 1. experimental poisoning of lowly toxic raticide in dogs. 13587

Herbicides and their toxicity to livestock. 13589

Biochemical toxicolcgy. 13604

Taste preferences in rodenticide development. 13635

Florida chemical communication pilot project. 13707

POISONOUS PLANTS
Toxicity of some goldenrods. 13605

POLICIES
Secretary Freeman announces pesticide decontamination program. 13511

POLYHEDROSES
The influence of a sub-acute infection of polyhedrosis virns in the cabbage looper on susceptibility to chemical insecticides. 13047

POLYMERIZATION
Polymerization-depolymerization of tobacco mosaic virus protein. x. effect of D2O. 13240

Polymerization-depolymerization of tobacco mcsaic virus protein. vIII. light-scattering studies. 13273

POLYSACCHARIDES
Differential resistance of cell walls of Acer pseudo-platanus, Triticum vulgare, Bordeum vulgare, and Zea mays to polysaccharide-degrading enzymes. 13247

PONDS
A study of the population of insects emerging as adults from Spettigue's Pond at London, Ontario. 12960

Use of 74As-tagged sodium arsenite in a study of effects of a herbicide on pond ecology. in: Isotopes in weed research; proceedings of a symposium Vienna, 25-29 October 1966. s589.S9. 13509

Aquatic insects associated with midwestern waste stabilization lagoons. 13514

Distribution of heptachlor residues in pond ecosystems in southwestern Virginia. 13572

POPULATION STATISTICS
Population sampling for integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13376

PORTHETRIA DISPAR
Effect of temperature on the degree of intersexnality in Lymantria dispar L. 13151

POTASSIUM
Ion movements and water transport in the rectum of the locust.Schistocerca gregaria. 13133

POTASSIUM CHLORIDE

Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease. 13261

Influence of some environmental factors on the susceptibility of Pisum sativum to Botrytis cinerea. 13289

POTASSIUM CHLORIDE
Influence of potassium chloride on the interrelationship of fungi and a nematode in alfalfa roots. (abstract). 13242

POTASSIUM ISOTOPES
Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548

POTATOES
The effect of Gibberella zeae on the permeability of potato tuber tissue. 13202

Partial infection with potato virus YN of tubers from primarily infected potato plants. 13210

Effects of removal of leaves and tops on translocation of potato virus X and potato virus YN in potato plants. 13211

The Phoma organisms causing gangrene of potatoes. 13212

Evaluation of the relative importance of soil and seed as source of the inoculum of silver scurf of potatoes by means of a repression test. 13270

Resistance to organochlorine insecticides in the tuber flea beetle, Epithrix tuberis Gent (Coleoptera: Chrysomelidae), in British Columbia. 13304

The insects injurious to potatoes. 13366

Pentachloronitrobenzene residues in potatoes. 13543

POULTRY
The influence of Bi Newcastle disease vaccine upon immunity by revaccination with tissue culture Newcastle disease vaccine. 13417

Disease reports of the Southern Conference on Avian Diseases (SCAD) 1966. 13433

Pathogenesis of Marek:s disease (Connecticut A isolate). 13462

POULTRY MANURE
Integrated house fly control: populations of fly larvae and predaceous mites, Macrocheles muscaedomesticae, in poultry manure after larvicide treatment. 13491

POULTRY PRODUCTS
Salmonellae associated with further-processed turkey products. 13503

Use of immunofluorescence and animal tests to detect growth and toxin production by Clostridium botulinum type E in food. 13507

POWDERY MILDEW (CUCUMBERS)
Electron microscopic observations on haustoria isolated from cucumber leaves infected with powdery mildew. 13223

POWDERY MILDEW (STRAWBERRIES)
General and specific combining ability in seven inbred strawberry lines. 13197

PRATYLENCHUS PENETRANS
Electron microscopy of a plant-parasitic nematode, Pratylenchus penetrans. (abstract). 13385

PREDACEOUS FUNGI
Natural enemies of rust fungi in the tropics. (abstract). 13221

PREDACEOUS INSECTS
Predation by Fuscuropoda vegetans (Acarina: Uropodidae) and Macrocheles muscaedomesticae (Acarina: Macrochelidae) on the eggs of the little house fly, Fannia canicularis. 12975

Seasonal activity of mosquito predators in woodland pools in Ontario. 13161

A study of the life-cycles and hosts of some Ichneumonidae attacking pupae of the green oak-leaf roller moth, Tortrix viridana (L.) (Lepidoptera: Torticidae) in England. 13315

Possibilities for utilization of entomopathogenic microorganisms in integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13336

New records and discussion of predators of the pear psylla, Psylla pyricola Forster, in British Columbia. 13349

PREDATORY BIRDS
Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SB996 .W6K6. 13342

Tuberculosis in birds-of-prey. 13415

PRISTIPHORA ERICHSONII
Effects of temperature on survival and development of the larch sawfly. (Abstract). 13057

The larch sawfly in the northern transitional forest of central Canada. 13375

PRISTIPHORA PALLIPES
The small berry sawfly (Pristiphora pallipes Lep), a lesser known pest of gooseberries. 13229

PRIVIES
Travel of nitrogen in soils. 13516

PRODENIA ERIDANIA
Azobenzene carbamates as insecticides. 13069

Carbohydrate metabolism in the flight muscle of the southern armyworm moth, Prodenia eridania. 13132

PRODENIA LITURA
Contribution to the biology of the cotton leafworm, Prodenia litura (F), with reference to larval colouration (Lepidoptera: Noctuidae). 13096

PRODUCTION ECONOMICS
Pest control's 7th annual industry economic forecast fast track for '68. 13704

PROGRAMMING (COMPUTERS)
The new florisil: a statistical evaluation for chlorinated pesticides. 13633

PROLINE
Metabolism of amino acids in agrobacterium tumefaciens. iII. uptake of L-proline. 13608

PROPERTIES
Antibiotic cirolerosns and process for producing the same. patent 3,345,262. 13644

Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornanone O-methylcarbamoyl)oximes. absolute structure of tranid miticide. 13651

PROPYLENE CARBONATE
New extraction system for residue analyses. 13565

PROTEINASES
Characteristics of a larval proteinase of Calliphora erythrocephala Meigen. 13094

PROTEINS
The nature of haemolymph proteins in relation to the ovarian cycle in the viviparous cockroach, Nauphoeta cinerea. 13002

Effect of age on (14c)valine turnover into locust wing proteins. 13058

Sexual difference in haemolymph protein of several insects. 13074

Cortisol and growth in insects. 13093

Changes in electrophoretic properties of haemolymph and terminal oocyte proteins during vitellogenesis in the American cockroach. 13100

Reactivity of tobacco mosaic virus and its protein toward acetic anhydride. 13228

Polymerization-depolymerization of tobacco mosaic virus protein. x. effect of D2O. 13240

Polymerization-depolymerization of tobacco mosaic virus protein. viii. light-scattering studies. 13273

The effects of diet on reproduction in pigs, sheep and cattle. vi: cattle-protein, vitamins, minerals and other dietary substances. 13454

Destruction of rachitogenic activity of isolated soybean protein by autoclaving as demonstrated with turkey poults. 13458

Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. 13581

DDT-INDUCED metabolic changes in rat liver. 13595

Proteins and catalase isoenzymes from Fusarium solani and their taxonomic significance. 13617

Purification of a protein from Bacillus thuringiensis toxic to larvae of Lepidoptera. 13634

PROTOZOA
Observations on Culex pipiens larvae infested with Vorticella sp. 13180

PSYLLA PYRICOLA
An area control program for the pear psylla. 13311

The performance, phytotoxicity and persistence of three petroleum oils for control of the pear psylla. 13346

New records and discussion of predators of the pear psylla, Psylla pyricola Forster, in British Columbia. 13349

PUBLIC HEALTH
Integrated control and public health entomology. in: FAO Symposium on integrated pest control, Rome, 1965. proceedings. SB951. P62. 13167

Food and health - the safe use of pesticides. 13577

PUCCINIA GRAMINIS TRITICI
Time of stem rust appearance on wheat in the western Mississippi Basin in relation to the development of epidemics from 1921 to 1962. 13235

PUCCINIA RECONDITA
Effect of Puccinia recondita infection on the RNA composition of wheat leaves. 13239

PUCCINIA RECONDITA TRITICI
Genetics of resistance to leaf rust in the common wheat varieties Webster, Loros, Brevit, Carina, Malakof, and Centenaric. 13319

Inheritance of virulence in wheat leaf rust on the standard differential wheat varieties. 13367

PUCCINIA SORGHI
Some properties of a germination inhibitor from Puccinia sorghi tredospores. (abstract). 13264

PUCCINIA STRIIFORMIS
Influence of light intensity on the reactions of wheat and barley seedlings to Puccinia striiformis. 13275

PUPAE
Natural substrates of the phenoloxidase in the pupal blood of the silkmoths, Antheraea pernyi and A eucalypti. 13040

Experimental evidence for a hormonal control of digestion in the tsetse fly, Glossina morsitans Westwood: a study of the larva, pupa, and teneral adult fly. 13077

Effect of population density on the larval coloration and development of larva and pupa in the larger pellucid hawk moth, Cephonodes hylas L (Lepidoptera: Sphingidae). 13115

PYRALIDAE
A note on some new host plants of a few pyralids in south India. 13337

PYRENOPHORA TERES
Note on the effect of N, P, and K in several Alberta soils on the resistance of gateway barley to the net blotch disease. 13261

PYRETHRUM
Determination of piperonyl butoxide by gas chromatography. 13645

PYRIDAZONES
Derivatives of pyridazone and a method for their use as herbicides. patent 3,360,357. 13660

Pyridazone derivatives and their use as herbicides. patent 3,341,317. 13661

Pyridazone derivatives and herbicidal compositions containing them. patent 3,323,893. 13662

PYRIDINE
Antibiotic product and process of producing same. patent 3,328,248. 13658

PYRIDINE COMPOUNDS
Herbicidal composition and method. patent 3,355,278. 13405

PYROVIC ACID
The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of 14C-labelled organic acids by pea root tips. 13620

QUARANTINE
The confinement period required to rid honeybees of foreign sweetclover pollen. 13358

QUATERNARY AMMONIUM COMPOUNDS
Derivatives of (+)-limonene. detection and translocation of quaternary ammonium plant growth retardants in young grapefruit and bean seedlings. 13627

Biocidal quaternary ammonium sulfamates. patent 3,344,018. 13669

Quaternary ammonium xanthates. patent 3,324,134. 13677

QUATERNARY AMMONIUM XANTHATES
Quaternary ammonium xanthates. patent 3,324,134. 13677

QUERCUS
A study of the life-cycles and hosts of some Ichneumonidae attacking pupae of the green oak-leaf roller moth, Tortrix viridana (L.) (Lepidoptera: Torticidae) in England. 13315

QUINOMYCIN B
Method of producing an antibiotic quinomycin B. patent 3,332,843. 13688

RABBITS
Anatomopathological study of lesions caused by intramuscular injection of hydrochloride and phosphate complex of tetracycline. 13582

RADIOACTIVE TRACERS
Metabolism of 2-methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxime (Temik, UC-21149) in insects. 13016

Effect of age on (14c)valine turnover into locust wing proteins. 13058

Fatty acid composition of the diet and larvae and biosynthesis of fatty acids from 14C-acetate in the cabbage looper, Trichoplusia ni. 13098

Recent research on the fate of herbicides in crop plants. in: isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. s589.S9. 13404

Potential use of tracer methods especially autoradiography in the study of the relation of herbicides to soil biology in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965 S589.S9. 13512

Behavior of 14-C-labelled diesel oil in different soils. in: Isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. s589.S9. 13518

Aldrin adsorption by soils and clays. 13521

Plant growth regulant. biochemical behavior of 2-chloroethyl trimethylammonium chloride in wheat and in rats. 13526

Fate of 2-methyl-2-(methylthio)propion aldebyde O-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. 13535

BADIOISCTCPES

Metaholism of carbon-14 trifluralin in carrots. 13542

Metaholism of radicactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548

Fate ct trifluralin in soils and plants. 13563

Uptake, distributicn, and metabclism of monuron and diuron by several plants. 13568

Metahclism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarhamate) in the rat. 13578

Absorption, metahclism, and excreticn cf tritium-laheled famphur in tte sheep and calf. 13583

The apparent hinding cf dDT to tissue components. 13584

Metahclism cf C-14-endothall in rats. 13597

Distrihuticn and excretion of dicamha by rats as determined by radictracer technigue. 13599

Metahclism of amino acids in agrobacterium tumefaciens. iII. uptake of L-proline. 13608

Technigues used in the application of a 14C labelled herbicide. in: isotopes in weed research; proceedings of a symposium, Vienna, 25-29 Octoher 1965. s589.S9. 13610

The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid cn interxediary metaholism of 14C-labelled organic acids hy pea root tips. 13620

Amitrcle decompositicn hy free radical-generating systems and hy soils. 13657

Determiraticn of carharyl and some cther carhamates hy gas chrcmatcgraphy. 13674

BADIOISCTCPES
The development and application of pesticide analysis methods. in: Badicisotopes in the detection of pesticide residues: proceedings of a panel Vienna 12-16 April 1965. sB953.P32. 13684

BADOPHOIDS SIMILIS
On the occurrence of the hurrowing nematode, Radopholus similis (Cobh, 1893) Thorne, 1949, on hanana in Kerala. 13389

BAINFALl
A preventive holl weevil control program applied to a ten-sguare-mile area within an untreated county. 13354

BABE GASES
Method cf treating hovine mastitis. patent 3,347,743. 13443

BASPBEBBEIES
Effects of tomato ringspot virus plant and fruit develcpment of raspberries. 13230

Effect of Alar cn winterhardiness of raspherries. 13616

BATS
Scme chservations on the probahle damage caused hy rats in Bombay. 13501

Plant growth regulant. hiochemical hehavior of 2-chloroethyl trimethylammonium chloride in wheat and in rats. 13526

Metahclism of 2-chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phcsphate in the dcg and rat. 13575

Metaholism and excretion of an insecticide (6-chloro-3,4-dimethylphenyl N-methylcarhamate) in the rat. 13578

The apparent hinding of dDT to tissue components. 13584

Histological studies of tests in rats treated with certain insect chemosterilants. 13590

DDT-INDDCED metabolic changes in rat liver. 13595

Metaholism of C-14-endothall in rats. 13597

Distrihnticn and excretion of dicamha hy rats as determined hy radiotracer technigue. 13599

Taste preferences in rodenticide development. 13635

BATTDS NORVEGICUS
Taste preferences in rodenticide development. 13635

BAW MATERIALS
How fnngi attack material. 134B5

BECTDM
Ion movements and water transport in the rectum of the locust.Schistocerca gregaria. 13133

BED CLOVEB
Response of Beterodera trifolii in red clover roots to Azauracil and other inhibitors. 133B2

BEDDVIIDAE
Laboratory culture of Triatoma infestans (Klng, 1834) (Hemiptera, Reduviidae). 13097

BEFLEXES
Multipolar stretch receptors and the insect leg reflex. 13048

BENIFORM NEMATODE
Distribution of the reniform nematode in relation to crop failnre of cotton in Lonisiana. 133B0

BEPRODUCTION
A semisynthetic diet for adult handed cucumher heetles. 13025

Survival and reproduction in a natural population of the tsetse fly, Glossina palpalis palpalis (Bohinson-Desvoidy). 13116

Formation of sexuparae in the aphid, Eriosoma pyricola, on pear roots. 13122

Seminal loss in repeatedly mated female Aedes aegypti. 13127

Genetic control of Aedes aegypti. 13162

The effects of diet on reprodnction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary suhstances. 13454

BEPRODDCTIVE ORGANS
Experimental study of development in the male reprodnctive system of Tenebrio molitor (Coleoptera, Tenebrionidae). 13060

Effect of apholate on reproductive organ of the female silkworm, Bombyx mori, with special reference to histopathological chservation cf the ovaries. 13136

BESEABCH
Research needs and priorities: genetics. 13146

Necessary research and priorities: Resistance to insecticides. 13172

Research needs and priorities: Genetic ccntrol, inclnding the sterile-male technigue. 13183

RESPIRATION
Pacemaker for tracheal ventilation in the cockroach, Periplaneta americana (L.). 13042

RESPIROMETERS
Description of a method for measuring the respiratory exchange in the entire insect. 13010

Respiration in Drosophila melanogaster in the conrse of metamorphosis. effect of puparium formation, nymphal molting, and of emergence. 13044

BETICDLOENDOTBELIOSIS
Nodular hyperplasia of the ovine spleen. 13425

BEVIEWS
Micro-organisms in the root region of wheat. literature review. 13231

Herbicides and their toxicity to livestock. 13589

RHIZOCTONIA SOLANI
Effect of antagonists on growth and survival of Rhizoctonia solani in soil. 13204

Alteration of cell wall components during pathogenesis by Rhizoctonia solani. in: Mirocha, C. j., and Uritani, i., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, gamagori, Japan. sB611.C6. 13208

Soybean root and stem rot caused by Rhizoctonia solani, 1966. 13243

Comparative survival of monobasidial cultures of Thanatephorus cucumeris in soil. 13256

RHIZOPERTHA DOMINICA
Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. 13498

RHIZOTROGUS
Rhizotrogus of the pini group (Col. scarabaeidae). description of a new species from Spain. 12933

RHODNIUS PROLIXUS
Some consequences of copulation in Rhodnius prolixus. 13029

Normal differential counts of haemocytes in relation to ecdysis and feeding in Rhodnius. 13066

RHOPALIDAE
The higher classification of the family Rhopalidae (Hemiptera). 12942

RHOPALOCERA
The generic names of the butterflies and their type-species, (Lepidoptera: Rhopalocera). 12954

Chromosome formulae of Lepidoptera Rhopalocera from North Africa. 13149

RHOPALOSIPHUM FITCHII
Aptercus aphids in water, wind, and suction traps. 12972

RHOPALOSIPHUM MAIDIS
Apterous aphids in water, wind, and suction traps. 12972

RHYACIONIA BUOLIANA
The European pine shoot moth, Rhyacionia buoliana (Lepidoptera: Olethreutidae), another introduced forest pest. 13332

RHYNCHOPHORA
Experiments on the control of sisal weevils by dipping planting material in solutions of systemic insecticides. 13347

RHYZOPERTHA DOMINICA
Effectiveness of gamma irradiation for control of five species of stored-product insects. 13500

RIBONUCLEASE
Purification and properties of acid ribonucleases from posterior silk gland of silkworm. 13075

RIBONUCLEIC ACID
Effect of Puccinia recondita infection on the RNA composition of wheat leaves. 13239

Some properties of the double-standard RNA of rice dwarf virus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, gamagori, Japan. sB611.C6. 13276

Response of Heterodera trifolii in red clover roots to Azauracil and other inhibitors. 13382

Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. 13581

DDT-INDUCED metabolic changes in rat liver. 13595

RICE
A.v.c. agreport. 2. 13191

Linkage studies on the resistance to bacterial leaf blight, Xanthomonas oryzae (Uyeda et Ishiyama) Dowson, in rice. 13269

Some properties of the double-standard RNA of rice dwarf virus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, gamagori, Japan. sB611.C6. 13276

Biochemical response of plants to toxins produced by the rice blast fungus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13278

RICKETS
Destruction of rachitogenic activity of isolated soybean protein by autoclaving as demonstrated with turkey poults. 13458

RICKETTSIA
Multiplication of rickettsiae in tick cells in vitro. 13109

RING SPOT (COWPEAS)
Dual transmission of tobacco ringspot virus and tomato ringspot virus by Xiphinema americanum. 13383

RING SPOT (CUCUMBERS)
Dual transmission of tobacco ringspot virus and tomato ringspot virus by Xiphinema americanum. 13383

RING SPOT (RASPBERRIES)
Effects of tomato ringspot virus plant and fruit development of raspberries. 13230

RINGWORM
Treatment of ringworm in cattle; deaths following the use of a mixture of creosote and tractor vaporising oil. 13411

The feeding of griseofulvin in treatment of trichophytosis (ringworm) in chinchillas. 13468

RODENT CONTROL
Pest control's 7th annual industry economic forecast fast track for '68. 13704

RODENTICIDES
Comparative toxicity of rodenticides. 13502

Studies on experimental poisoning of agricultural chemicals in dogs. 1. experimental poisoning of lowly toxic raticide in dogs. 13587

Taste preferences in rodenticide development. 13635

ROBERTS
The fauna of stored products in U.A.R. 13490

ROUOLIA
Record of the cottony cushion scale, Icerya purchasi Maskell in the Cannanore District of Kerala State in India and its control. 13362

ROOT CROPS
Absorption of organochlorine insecticide residues from agricultural soils by root crops. 13544

ROOT ROT (COTTON)
Effect of Thielaviopsis basicola root rot of cotton on incidence and severity of Verticillium wilt. 13245

ROOT ROT (SOYBEANS)
Soybean root and stem rot caused by Rhizoctonia solani, 1966. 13243

ROOT ROT (WHEAT)
Effect of antagonists on growth and survival of Rhizoctonia solani in soil. 13204

ROOTS
A quantitative assay method for observing and enumerating propagules of root-infecting fungi. (abstract). 13258

Biology of radicolous aphids on maize. 13299

Simulated Nantucket pine tip moth attacks reduce root development of shortleaf pine seedlings. 13317

Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553

ROSACEAE

ROSACEAE
Susceptibility of members of the Rosaceae to races of Phytophthora fragariae. 13259

ROT (STRAWBERRIES)
Experiments on controlling strawberry botrytis rot by spraying. S8953.M6. 13251

ROTYLENCHULUS RENIFORMIS
Distribution of the reniform nematode in relation to crop failure of cotton in Louisiana. 13380

RUSSET RING (APPLES)
Virus etiology of foliar vein-flecking or ring pattern, and fruit russeting or blotch on apple. 13288

RUSSETING (APPLES)
Virus etiology of foliar vein-flecking or ring pattern, and fruit russeting or blotch on apple. 13288

SALDA
Notes on North American Saldidae (Hemiptera). 12980

SALDULA
Notes on North American Saldidae (Hemiptera). 12980

SALICYLIDENEIMINES, HALOGENATED
Fungicidal n-substituted derivatives of halogenated. salicylideneimines. patent 3,357,883. 13656

SALIVARY GLANDS
The distribution and localization of digestive enzymes in the alimentary canal and salivary glands of the cotton stainer, Dysdercus fasciatus. 13072

The physiological division of labour in the salivary glands of Cnemopeltus fasciatus (Dall.) (Heteroptera: Lygaeidae). 13090

SALMONELLA
The use of salmonella vaccine in outbreaks of salmonéllosis in sheep. 13410

Salmonellae associated with further-processed turkey products. 13503

SALMONELLA DUBLIN
The protection of calves against infection with Salmonella typhimurium by means of a vaccine prepared from Salmonella dublin (strain 51). 13441

SALMONELLA GALLINARUM
Salmonella infection in wild birds. 13464

SALMONELLA PULLORUM
Salmonella infection in wild birds. 13464

SALMONELLA TYPHIMURIUM
Salmonella typhimurium infection in dairy cows. 13439

The protection of calves against infection with Salmonella typhimurium by means of a vaccine prepared from Salmonella dublin (strain 51). 13441

Salmonella infection in wild birds. 13464

SALMONELLOSIS
The use of salmonella vaccine in outbreaks of salmonellosis in sheep. 13410

Salmonellosis of sheep: use of serum from a vaccinated ewe in a mouse passive protection test. 13426

An epidemiological study of salmonellosis of chickens. 13449

SAMIA CYNTHIA
Kinetic organization of Lepidoptera chromosomes. 13144

SAMPLING (STATISTICS)
Insect interceptions made from the seed samples imported and exported for plant introduction work during the period August 1960 to December 1964. 13377

SAND
Aldrin adsorption by soils and clays. 13521

SAPONINS
Toxicity of some goldenrods. 13605

SATURNIIDAE
Preliminary descriptions of new Attacidae from South America (Lep.) (concl.). 12967

SATYRIDAE
Keys for the identification of Polish insects. XXVII. Lepidoptera. 63. satyridae. 12964

SAVANNAS
Incidence in the culture of oil palm of Fusarium populations in the soil of the savanna in the lower Ivory Coast. 13267

SCAB (POTATOES)
Influence of copper and zinc on the incidence of potato scab. 13217

SCARABAEIDAE
Larva of Hoplia philanthus Fuessly (Coleoptera, Scarabaeidae) with comments on the bionomics of the species. 12958

SCHISTOCERCA GREGARIA
Effect of food plants on colour, structure and size of faecal pellets of the desert locust, Schistocerca gregaria Forsk. 13012

Effect of age on (14c) valine turnover into locust wing proteins. 13058

Phospholipids in the haemolymph of desert locust, Schistocerca gregaria Forskal. 13089

Cortisol and growth in insects. 13093

Factors affecting the resistance of insect eggs to sulphuryl fluoride. i. the uptake of sulphuryl-35S fluoride by insect eggs. 13103

Comparative studies on reciprocal interchange of the corpora allata between males and females of adult Schistocerca gregaria (Forskal) (Orthoptera: Acrididae). 13106

Studies on the metabolism of DDT in the desert locust by paper chromatography. 13129

Ion movements and water transport in the rectum of the locust.Schistocerca gregaria. 13133

SCLEROTIUM ROLFSII
Influence of sprinkler irrigation and four forage crops on populations of soil microorganisms including those antagonistic to Sclerotium rolfsii Sacc. 13222

SCOLYTIDAE
Notes on Gnathotrichus materiarius (Col. Scolytidae), a timber beetle new to the Netherlands. 13493

SECRETION
Studies on the neurosecretory system and the functional significance of NSM in the aortal wall of the bug, Dysdercus koenigii. 13035

SEED TREATMENT
Seed disinfection. 13295

Phytotoxicity and wireworm-control efficacy of insecticidal dressings applied to cereal seed up to a year before planting. 13310

Effect of treating cotton seed with dieldrin, Abavit B, and aldrin on the emergence of pink bollworm moths. 13341

SEEDLINGS
Butt rot in yellow-poplar seedling-sprout stands. 13233

A quantitative assay method for observing and enumerating propagules of root-infecting fungi. (abstract). 13258

SEEDS
The distribution and localization of digestive enzymes in the alimentary canal and salivary glands of the cotton stainer, Dysdercus fasciatus. 13072

Evaluation of the relative importance of soil and seed as source of the inoculum of silver scurf of potatoes by means of a repression test. 13270

Seed increase of alfalfa in growth chambers with

Megachile rotundata F. 13333

Insect interceptions made from the seed samples imported and exported for plant introduction work during the period August 1960 to December 1964. 13377

Isolation of a novel auxin, methyl 4-chloroindoleacetate from immature seeds of Pisum sativum. 13624

SELENIUM
Selenium in crops in the United States in relation to selenium-responsive diseases of animals. 13429

SEMEN
Seminal loss in repeatedly mated female Aedes aegypti. 13127

SENESCENCE
Anaerobiosis studies with Musca domestica. age and sex differences for survival rate and recovery capability. 13037

SEPTIC TANKS
Travel of nitrogen in soils. 13516

SERICESTHIS GEMINATA
Digestion by the larva of the pruinose scarab, Sericesthis geminata. 13126

SERINE
The calcium-stimulated incorporation of ethanolamine and serine into the phospholipids of the housefly Musca domestica. 13026

Nutritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, Bombyx mori. 13062

SERUM
Production of gas gangrene serum in general and of polyvalent gas gangrene-aphylactic-serum of horse by using simultaneous immunization methods with four known gas gangrene types in one. 13409

Salmonellosis of sheep: use of serum from a vaccinated ewe in a mouse passive protection test. 13426

SETARIA VIRILIS
Host range of larvae of the northern corn rootworm (Coleoptera: Chrysomelidae). 13309

SEWAGE DISPOSAL
Water pollution control and abatement. tD420.W45. 13520

SEX
Intersexuality in mosquitoes. (Abstract). 13015

Anaerobiosis studies with Musca domestica. age and sex differences for survival rate and recovery capability. 13037

Sexual difference in the activity of the pars intercerebralis--corpus cardiacum--corpus allatum system of Bombyx mori. 13045

Sexual difference in haemolymph protein of several insects. 13074

Use of lethal temperature in the study of effects of thermal treatments on the development of several primary sexual characters in the triploid intersexed Drosophila melanogaster Meig. 13078

SEX BEHAVIOR
Some consequences of copulation in Rhodnius prolixus. 13029

The action of the male genitalia during the copulation of the hen flea, Ceratophyllus gallinae (Schrank). 13061

Comparative studies on reciprocal interchange of the corpora allata between males and females of adult Schistocerca gregaria (Forskal) (Orthoptera: Acrididae). 13106

Mating, resting habits and dispersal of Aedes aegypti. 13119

Sexual behavior in blister beetles (Coleoptera: Meloidae). II. Linsleya convexa. 13121

Possible use of the sterile-male technique for control of Aedes aegypti. 13184

SHEEP
The use of salmonella vaccine in outbreaks of salmonellosis in sheep. 13410

Nodular hyperplasia of the ovine spleen. 13425

Salmonellosis of sheep: use of serum from a vaccinated ewe in a mouse passive protection test. 13426

II. Brucellosis in Britain--The problem: Control: Eradication. 13448

The effects of diet on reproduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. 13454

A further study of neoplasms in abattoir sheep. 13463

Information about helminthiasis in sheep derived from records at a veterinary investigation center. 13474

Oxygen influence on egg production by a parasitic nematode. 13478

Absorption, metabolism, and excretion of tritium-labeled famphur in the sheep and calf. 13583

Some effects of orally administered Rnelene on host sheep and two ectoparasites: the yellow-fever mosquito and the Rocky Mountain wood tick. 13672

SHELL COMPOUND 4294
The toxicity of dimethyl 2-(alpha-methylbenzyloxycarbonyl)-1 -methylvinyl phosphate (Shell Compound 4294) to livestock. 13601

SHELL SD-9129
Systemic activity of Shell SD-9129 in cotton plants. 13363

SHIPS
Measures to be taken to prevent the transmission of Aedes aegypti by sea and air. 13189

SHRIMPS
Effects of pesticides on osmoregulatory ability of estuarine fauna. 13600

SILAGE
Temperature-programmed gas chromatography of 20 phosphorus-containing insecticides on 4 different columns and its application to the analysis of milk and corn silage. 13529

SILK GLANDS
Purification and properties of acid ribonucleases from posterior silk gland of silkworm. 13075

SILVER SCURF (POTATOES)
Evaluation of the relative importance of soil and seed as source of the inoculum of silver scurf of potatoes by means of a repression test. 13270

SIMULIIDAE
A preliminary revision of the black-flies (Diptera: Simuliidae) of the Middle East. 12945

SIMULIUM DAMNOSUM
Observations of the swarming behavior of Simulium damnosum (Theobald) in Upper Volta and the Cameroons. 13084

SINOXYLON SUDANICUM
The attacking habits of Sinoxylon sudanicum Lesne (Coleoptera: Rostrychidae). 13334

SINUSES
Method of treating bovine mastitis. patent 3,347,743. 13443

SIPHONA KANGWAGYEI
Siphona kangwagyei n sp., a bloodsucking fly from Uganda (Diptera: Muscidae). 13001

SIPHONAPTERA
The fleas (Siphonapyera) of Egypt. an illustrated and annotated key. 12969

SISAL
Experiments on the control of sisal weevils by dipping planting material in solutions of systemic insecticides. 13347

SITOPHILUS

SITOPHILUS
A taxonomic separation of larvae of the genus Sitophilus by head capsule morphology (Coleoptera: Curculionidae). 12957

SITOPHILUS GRANARIUS
Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. 13498

Effectiveness of gamma irradiation for control of five species of stored-product insects. 13500

SITOPHILUS ORYZAE
Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. 13498

SITOTROGA CEREALELLA
Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. 13498

SKIN
Contact avicides. patent 3,340,142. 13592

SLAUGHTERHOUSES
A further study of neoplasms in abattoir sheep. 13463

Design of a modern meat-packing waste treatment plant. 13519

SLUDGE
Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

SMELL
Insect communication. 13021

SMOKING (PRESERVATION)
Survival and outgrowth of Clostridium botulinum type E spores in smoked fish. 13504

SMUT (OATS)
Fraser oats. 13279

SOCIAL INSECTS
Behaviour of social insects. 13142

SODIUM
Ion movements and water transport in the rectum of the locust.Schistocerca gregaria. 13133

SODIUM ARSENITE
Use of 74As-tagged sodium arsenite in a study of effects of a herbicide on pond ecology. in: Isotopes in weed research; proceedings of a symposium Vienna, 25-29 October 1966. s589.S9. 13509

SOIL ADSORPTION
Behavior of 14-C-labelled diesel oil in different soils. in: Isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. s589.S9. 13518

SOIL BIOLOGY
Potential use of tracer methods especially autoradiography in the study of the relation of herbicides to soil biology in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965 S589.S9. 13512

SOIL CONTAMINATION
Residues of organochlorine insecticides and their metabolites in soils in the Atlantic Provinces of Canada. 13510

Travel of nitrogen in soils. 13516

Determination of the herbicide Tordon (4-amino-3,5,6-trichloropicolinic acid) in soil by electron capture gas chromatography. 13517

Aldrin adsorption by soils and clays. 13521

Determination of terrachlor in crops and soil by electron-capture gas chromatography. 13558

Fate of insecticide residues. decomposition of lindane in soil. 13574

SOIL FAUNA
New oribatids (Acari) from Australian soils. 12932

SOIL FUNGI
Effects of three soil-inhabiting fungi on axenic peanut plants. (abstract). 13216

A quantitative assay method for observing and enumerating propagules of root-infecting fungi. (abstract). 13258

SOIL INSECTS
Soil fauna research in the forest of Maures (Var). description of a new species of Leptotyphlus Fauv. (Col. Staphylinidae. 12956

SOIL MICROBIOLOGY
A buried membrane filter method for studying behavior of soil fungi. 13198

Effect of antagonists on growth and survival of Rhizoctonia solani in soil. 13204

Comparative survival of monobasidial cultures of Thanatephorus cucumeris in soil. 13256

SOIL MICROORGANISMS
Ecology of plant pathogens in soil. vII. mathematical models and inoculum density. 13205

Influence of sprinkler irrigation and four forage crops on populations of soil microorganisms including those antagonistic to Sclerotium rolfsii Sacc. 13222

Micro-organisms in the root region of wheat. literature review. 13231

Review of the metabolism and decomposition of diquat and paraquat. 13541

SOIL MOISTURE
Effect of soil moisture and soil temperature on black shank disease development in tobacco. 13246

SOIL STERILIZATION
Control of pink bollworm larvae with soil-applied insecticides. 13378

SOIL TEMPERATURE
Effect of soil moisture and soil temperature on black shank disease development in tobacco. 13246

SOIL-BORNE PLANT DISEASES
Alteration of cell wall components during pathogenesis by Rhizoctonia solani. in: Mirocha, C. j., and Uritani, i., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, gamagori, Japan. sB611.C6. 13208

SOIL-PLANT-ANIMAL RELATIONS
Nature of agrohiocoenosis and significance to integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13306

SOILS
Incidence in the culture of oil palm of Fusarium populations in the soil of the savanna in the lower Ivory Coast. 13267

Evaluation of the relative importance of soil and seed as source of the inoculum of silver scurf of potatoes by means of a regression test. 13270

Potential use of tracer methods especially autoradiography in the study of the relation of herbicides to soil biology in: isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965 S589.S9. 13512

Behavior of 14-C-labelled diesel oil in different soils. in: Isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. s589.S9. 13518

Fate of 2-methyl-2-(methylthio)propion aldehyde O-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. 13535

Absorption of organochlorine insecticide residues from agricultural soils by root crops. 13544

Translocation of insecticides from soils into pea plants effects of the detergent LAS on translocation and plant growth. 13553

Fate of trifluralin in soils and plants. 13563

Adscrptien cf hipyridylium herbicides in soil. 13571

Amitrole decomposition by free radical-generating systems and by scils. 13657

SCLIDAGC
Toxicity of scme gcldenrods. 13605

SCLVENTS
The selection cf a solvent for use with low volume aerial spraying cf ccttcn plants. 13611

SOBGHOB
Effects of natnral (sorghum) and artificial (wheat germ) diets on develcpment of the corn earworm, fall armyworm, and southwestern ccrn borer. 13302

Studies on the susceptibility cf different varieties of sorghum, maize and bajra to Chilo zcnellus (Swinhoe) under field and cage conditions and the methods of determining it. 13340

Distributicn and concentratien of HCN in a sorghum-sudan-grass hybrid. 13632

SCBGHDM VOLGABE SDDANENSE
Distributicn and concentration of HCN in a sorghum-sudan-grass hybrid. 13632

SCOND WAVES
Trapping mosguitoes with sound. (abstract). 13159

SOYBEANS
Soybean root and stem rot caused by Rhizoctonia solani, 1966. 13243

Comparison of the pathogenicity and development of the Va. 2 isolate of Heterodera glycines on Pickett and Lee scyteans. (abstract). 13387

Destruction of rachitogenic activity of isolated soybean protein by autoclaving as demcnstrated with turkey poults. 13458

Increase in invasion by storage fungi and in fat acidity values cf commercial lots of soybeans stored at moisture contents cf 13.0.14.0 percent. 13484

Uptake, distribution, and metabclism of monuron and diuron by several plants. 13568

SPABBOWS
Contact avicides. patent 3,340,142. 13592

SPECTBOMETBY
Aldrin adsorption by soils and clays. 13521

Potential of neutron activation analysis of pesticides and metabclites. in: Radicisotopes in the detection of pesticide residues; prcceedings cf a panel Vienna, 12-16 1965. sB953.P32. 13527

Method cf activatien analysis fcr mercury in the biosphere and in foods. An addendum. in: Radioisotopes in the detection of pesticide residues: proceedings of a panel Vienna, 12-16 1965. sB953.P32. 13534

SPECTBOPHOTOMETBY
Spectrophotoflucrcmetric determination of 6-methoxy-2-benzcxazclinone, an indicator of resistance to European ccrn borer in Zea mays. 13308

Spectrophotometric determination of Temik residues in citrus. 13556

Determinaticn of terrachlor in crops and soil by electron-captnre gas chromatcgraphy. 13558

SPHECIDAE
The ccmparative ethology and evclntion of the sand wasps. gI568.S7E8. 12948

Appendix. sphex Linne, subgenus Palmodes Kohl. in: Hymencptera from Turkey. sphecidae. i., by J de Beaumont. 12984

SPHEX
Appendix. sphex Linne, subgenus Palmodes Kohl. in: Hymenoptera from Turkey. sphecidae. i., by J de Beaumont. 12984

SPHINGIDAE
Effect of populatien density on the larval coloration and development of larva and pupa in the larger pellucid hawk moth, Cephonodes hylas L (Lepidoptera: Sphingidae). 13115

SPIDERS
Note about some hidden travelers. 12976

Control of cotton insects with an insect-collecting machine. 13359

SPLEEN
Nodular hyperplasia of the ovine spleen. 13425

SPODOPTEBA FBOGIPERDA
Effects of natural (sorghum) and artificial (wheat germ) diets on development of the corn earworm, fall armyworm, and southwestern ccrn borer. 13302

SPONDYLOCLADIDM ATBOVIBENS
Evalnation of the relative importance of soil and seed as source of the inoculum of silver scurf of potatoes by means of a repression test. 13270

SPORE GERMINATION
Changes in cytoplasm and cell wall material; an anatomical approach to the mechanism of fungal infections in plants. in: Mirocha, C. j., and Oritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13200

Survival and outgrowth of Clostridium botulinum type E spores in smoked fish. 13504

Improved medium for sporulation of Clostridinm perfringens. 13505

SPBAYING
Hazards of herbicide drift. 13586

The selection of a solvent for use with low volume aerial spraying of cotton plants. 13611

How we modified a back pack sprayer for DLV insecticide applications. 13694

Analysis of spray deposits on cards dyed with Sudan Black BR: their preparation and use. 13702

SPBAYING EQOIPMENT
How we modified a back pack sprayer for DLV insecticide applications. 13694

STAPHYLOCOCCDS
A trial in goats of an inactivated staphylococcal polyvalent somatic antigen vaccine against mastitis. 13430

STAPHYLOCOCCUS ADBEDS
Low incidence of staphylocccal dermatitides in animals with high incidence of staphylococcus aureus. i. preliminary study of cats. 13421

Quaternary ammonium xanthates. patent 3,324,134. 13677

Method for combating microorganisms with an alkyl substituted oxazoline. patent 3,366,537. 13687

STARLINGS
Contact avicides. patent 3,340,142. 13592

STATISTICAL ANALYSIS
The danger-index of the synanthropic flies. 13170

A survey of organic chloride impurities in food grade hydrochloric acid. 13537

The new florisil: a statistical evaluation for chlorinated pesticides. 13633

STATISTICS
A report on residues in food. 13538

STEAM

STEAM
Effect of antagonists on growth and survival of Rhizoctonia solani in soil. 13204

Comparative survival of monobasidial cultures of Thanatephorus cucumeris in soil. 13256

STEGOBIUM PANICEUM
A laboratory study of Stegobium paniceum (L.) (Coleoptera: Anobiidae). 13080

STEM ROT (SOYBEANS)
Soybean root and stem rot caused by Rhizoctonia solani, 1966. 13243

STEM RUST (OATS)
Fraser oats. 13279

STEM RUST (WHEAT)
Time of stem rust appearance on wheat in the western Mississippi Basin in relation to the development of epidemics from 1921 to 1962. 13235

Effect of Puccinia recondita infection on the RNA composition of wheat leaves. 13239

The effect of favorable periods for infection on development of stem rust in field plots of wheat. (abstract). 13244

STEMPHYLIUM BOTRYOSUM
The Stemphylium leaf spot complex on blue lupine. 13287

STERILITY
Inherited partial sterility among survivors from irradiation-eradication experiment. 13154

STERILIZATION
Use of alternative biological control schemes. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13335

STIMULANTS
Feeding stimuli and artificial feeding. 13046

STOMATA
Influence of certain exoascids on development of the epidermis and the foliar stomatic apparatus of their hosts. 13224

STORAGE
Biological studies on the Mediterranean flour moth, Anagasta kuhniella Zeller (Lepidoptera: Phycitidae). 13496

STORAGE DISEASES
Increase in invasion by storage fungi and in fat acidity values of commercial lots of soybeans stored at moisture contents of 13.0-14.0 percent. 13484

Treatment of fruits and the like to inhibit decay. patent 3,347,683. 13486

STORED PRODUCTS
New findings about fumigant and atmospheric gases in the control of insects and molds in grain. 13483

Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with Bakthane L-69. 13489

The fauna of stored products in U.A.R. 13490

Lepidoptera infesting stored products. in: Smith, C. n. insect colonization and mass production. qL497.S6. 13492

Coleoptera infesting stored products. in: Smith, C. n. insect colonization and mass production. qL497.S6. 13495

Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. 13498

Insect control with high frequency electric fields. 13499

STRAW
Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat foliage. 13560

STRAWBERRIES
General and specific combining ability in seven inbred strawberry lines. 13197

Experiments on controlling strawberry botrytis rot by spraying. sB953.m6. 13251

STREAK (PEAS)
Purification and physicochemical properties of the Wisconsin pea streak virus. 13268

STREPTOMYCES
Method of producing an antibiotic guinomycin B. patent 3,332,843. 13688

STREPTOMYCES BELLUS
Antibiotic cirolerosus and process for producing the same. patent 3,345,262. 13644

STREPTOMYCES BOTTROPENSIS
Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642

STREPTOMYCES FLOCCULUS
Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642

STREPTOMYCES FUNGICIDUS
Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642

STREPTOMYCES GRISEUS
Effects of three soil-inhabiting fungi on axenic peanut plants. (abstract). 13216

STREPTOMYCES SCABIES
Influence of copper and zinc on the incidence of potato scab. 13217

STREPTONIGRIN
Streptonigrin antibiotics and process for their production. patent 3,372,090. 13642

STRIDULATION
Insect communication. 13021

STRIPE RUST (GRAIN)
Influence of light intensity on the reactions of wheat and barley seedlings to Puccinia striiformis. 13275

SUBSTITUTED CYCLOPROPYL CARBAMILATES
Substituted carbamilate herbicides. patent 3,334,130. 13648

SUCCINIC ACID
The effects of indoleacetic acid and 2,4-dichlorophenoxyacetic acid on intermediary metabolism of 14C-labelled organic acids by pea root tips. 13620

SUCCINIC ACID, 2,2-DIMETHYLHYDRAZIDE
Colorimetric determination of Alar residues in apples. 13539

Effect of Alar on winterhardiness of raspberries. 13616

SUCCINYLCHOLINE CHLORIDE
Margin of safety of succinylcholine chloride in horses treated with anticholinesterase pesticides. 13434

SUCKERS
Fatty alcohol inhibition of tobacco auxiliary and terminal bud growth. 13630

SUCROSE
Egg production of horse-fly, adults fed human blood containing various supplements. 13163

SUGAR
Responses of tarsal hairs of the blowbottle, Calliphora erythrocephala Meig., to sugar and water. 13102

SUGARCANE
Effect of endrin and trichlorfon applied in artificial diet against larvae of sugar-cane borer Diatraea saccharalis (F.) (Lep., Pyralidae). 13049

SUGARS
Effects on light and sugars on rearing the cotton aphid, Aphis gossypii, on a germ-free and holidic diet. 13006

Effect of amino acid and sugar concentrations on the food uptake of the aphid Myzus persicae. 13092

SULFAMATES
Biocidal quaternary ammonium sulfamates. patent 3,344,018. 13669

SULFAMETHAZINE
Influence of oxytocin on diffusion of sulfonamides from plasma into bovine milk. 13559

SULFONAMIDES
Method of protecting the offspring of a herd of breeding swine from turbinate atrophy. patent 3,336,190. 13452

Influence of oxytocin on diffusion of sulfonamides from plasma into bovine milk. 13559

SULFONIC ACIDS
Pesticidal wettable powder formulation. patent 3,342,581. 13686

SULFUR
Identification of the aldrin artifact. 13653

SULFUR COMPOUNDS
Sulfur-containing carbamate insecticides. patent 3,349,115. 13682

SULFURYL FLUORIDE
Factors affecting the resistance of insect eggs to sulphuryl fluoride. i. the uptake of sulphuryl-35S fluoride by insect eggs. 13103

SURFACE-ACTIVE AGENTS
Pesticidal wettable powder formulation. patent 3,342,581. 13686

SURVEYS
Apterous aphids in water, wind, and suction traps. 12972

A survey of Nosema disease in package bees, queens, and attendant bees entering Manitoba (1963-1966). 13065

Control of cotton insects with an insect-collecting machine. 13359

Population sampling for integrated control. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13376

A survey on antibodies against canine toxoplasma by hemagglutination test and isolation of the organism from dogs. 13461

SWEETCLOVER
The confinement period required to rid honeybees of foreign sweetclover pollen. 13358

SWEETPOTATOES
Influence of environmental temperatures on metabolic alterations related to disease resistance in sweet potato roots infected by black rot. 13201

Influence of host-parasite interactions on proteins enzymes, and resistance. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceeding, conference held May 15-21, 1966, Gamagori Japan. sB611.C6. 13274

The relation of metabolic changes in infected plants to changes in enzymatic activity. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966. sB611.C6. 13282

SWINE
Immunizing pigs against hog cholera with selected strains of live virus diarrhea virus and preparation of virus diarrhea virus hyper-immune hog cholera serum. patent 3,346,456. 13408

The effects of diet on reproduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. 13454

Some aspects about helminth parasites of Sus domesticus Linnaeus, 1758, from the State of Bahia, Brazil. 13470

Farm-to-farm transmission of porcine Oesophagostomiasis. 13477

SYMPHYTA
Food plants of Japanese Symphyta. i. 13101

SYMPOSIA
Insect behavior. (Royal Entomological Society of London. symposia no. 3). 13053

Cellular age changes in insects. in: Aspects of the biology of aging, H. w. woolhouse, ed. 13113

World Health Organization. seminar on the ecology, biology, control, and eradication of Aedes aegypti, 16-20 August 1965, Geneva, Switzerland. 13156

SYNTHESIS
The formation of aflatoxin derivatives. 13636

Preparation and biological activity of the isomers of dimethyl-1,3-dicarbomethoxy-1-propen-2-yl phosphate (Bomyl). 13649

Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornanone O-methylcarbamoyl)oximes. absolute structure of tranid miticide. 13651

SYNTHETIC DIETS
An artificial diet and some growth factor requirements for the pale western cutworm. 13070

SYSTEMIC INSECTICIDES
Experiments on the control of sisal weevils by dipping planting material in solutions of systemic insecticides. 13347

Systemic insecticides evaluated for two-spotted mite control on greenhouse cucumbers. 13348

Systemic activity of Shell SD-9129 in cotton plants. 13363

Gas chromatographic determination of famphur and its oxygen analog residues in bovine milk, blood, and edible tissues. 13562

Absorption, metabolism, and excretion of tritium-labeled famphur in the sheep and calf. 13583

T, 2,4,5-
Gas chromatographic measurement of disappearance rates of 2,4-D and 2,4,5-T acids and 2,4-D esters in mice. 13606

TACHYDROMA
Notes on the genus Tachydromia Meig and the annulimana-group (Diptera, Empididae). 12939

TANNINS
Toxicity of some goldenrods. 13605

TASTE
Taste preferences in rodenticide development. 13635

TDE
Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

Note on the effect of sample moisture content on exraction of TDE from kale. 13533

Distribution of p,p'-DDT residues in adipose and muscle tissues of beef cattle. 13564

TELDENIA
A taxonomic revision of the genus Teldenia Moore (Lepidoptera: Drepanidae, Drepaninae). 13000

TEMIK
Metabolism of 2-methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxime (Temik, UC-21149) in insects. 13016

Field evaluation of Temik against some insects and mites attacking citrus. 13305

Control of pink bollworm larvae with soil-applied insecticides. 13378

Fate of 2-methyl-2-(methylthio)propion aldehyde O-(methylcarbamoyl)oxime (Temik) in cotton plants and soil. 13535

Spectrophotometric determination of Temik residues in citrus. 13556

TEMPERATURE

TEMPERATURE
Intersexuality in mosquitoes. (Abstract). 13015

Characteristics of phenol oxidases in Mormoniella vitripennis (Walker). 13043

Non-dependence of the saturation of depot fat on temperature and photoperiod in a hibernating mosquito. 13050

Effects of temperature on survival and development of the larch sawfly. (Abstract). 13057

Effect of temperature on the degree of intersexuality in Lymantria dispar L. 13151

Influence of environmental temperatures on metabolic alterations related to disease resistance in sweet potato roots infected by black rot. 13201

The effect of favorable periods for infection on development of stem rust in field plots of wheat. (abstract). 13244

Influence of some environmental factors on the susceptibility of Pisum sativum to Botrytis cinerea. 13289

TENEBRIO MOLITOR
Experimental study of development in the male reproductive system of Tenebric molitor (Coleoptera, Tenebrionidae). 13060

Cortisol and growth in insects. 13093

Factors affecting the resistance of insect eggs to sulphuryl fluoride. i. the uptake of sulphuryl-35S fluoride by insect eggs. 13103

TENEBRICNIDAE
Notes on the systematics and distribution of some Tribolium species (Coleoptera: Tenebrionidae). 12953

Experimental study of development in the male reproductive system of Tenebric molitor (Coleoptera, Tenebrionidae). 13060

TENTHREDINIDAE
Hymenoptera Tenthredinoidea of the Seine-et-Oise. interesting captures and collecting notes. 12965

TEPHRITIDAE
New host records for North American fruit flies (Diptera: Tephritidae). 13357

TERMITES
Preference for wood of different degrees of dampness in some termites from Cuba (Isoptera). 13497

TESTES
Histological studies of tests in rats treated with certain insect chemosterilants. 13590

TETANOPS MYOPAEFORMIS
Evaluation of insecticides for control of the sugar-beet maggot in Manitoba. 13297

TETRACHLORO-2,2-BIS(PARA-CHLOROPHENYL)ETHANE, 1,1,1,2-
The apparent binding of dDT to tissue components. 13584

TETRACYCLINE
Anatomopathological study of lesions caused by intramuscular injection of hydrochloride and phosphate complex of tetracycline. 13582

TETRAHALOCYCLOPENTADIENYLDIAMINES
Method of controlling microtes by means of tetrahalocyclopentadienyldiamines. patent 3,341,405. 13680

TETRAMESA RUSSOI
Research of Hymenoptera Chalcidoidea. iii. a new species of the genus Tetramesa Walk. (Hym. Eurytomidae). 12997

TETRANYCHUS URTICAE
Fertilization in the two-spotted spider mite (Tetranychus urticae: Acari). 13003

Systemic insecticides evaluated for two-spotted mite control on greenhouse cucumbers. 13348

TEXTILES
How fungi attack material. 13485

THANATEPHORUS CUCUMERIS
Comparative survival of monobasidial cultures of Thanatephorus cucumeris in soil. 13256

THERAPEUTICS
Method of treating bovine mastitis. patent 3,347,743. 13443

Prevention and first aid for livestock poisoned with chemicals. sF757.5.N3. 13561

THERIOAPHIS TRIFOLII
Apterous aphids in water, wind, and suction traps. 12972

THIELAVIOPSIS
A quantitative assay method for observing and enumerating propagules of root-infecting fungi. (abstract). 13258

THIELAVIOPSIS BASICOLA
A buried membrane filter method for studying behavior of soil fungi. 13198

Effect of Thielaviopsis basicola root rot of cotton on incidence and severity of Verticillium wilt. 13245

THIOBENZOIC ACIDS
Herbicidal composition and method. patent 3,333,946. 13666

THIOPHOSPHATES
A rapid specific method for the gas chromatographic determination of organophosphate pesticides in cold pressed citrus oils. 13569

THURICIDE
Studies on the susceptibility of certain stored products insects to bacterial insecticides. 1. tests with Bakthane L-69. 13489

THYROID GLAND
Effects of dietary DL-METHIONINE on tissue levels of glutathione in hypothyroid chicks. 13427

THYSANOPTERA
Some new efficient preparations to control thrips and Aphis gossypii on cotton. 13361

TIMBER
Notes on Gnathotrichus materiarius (Col. Scolytidae), a timber beetle new to the Netherlands. 13493

TISSUE CULTURE
Heat treatment and meristem culture for the production of virus-free plant material. 13237

TISSUES
The apparent binding of dDT to tissue components. 13584

TOBACCO
Cryogenic storage of conidia of Peronospora tabacina. (abstract). 13214

Mitochondrial activities of detached tobacco leaves infected with tobacco mosaic virus: the possible source of energy for virus multiplication. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction; proceedings of a conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13236

Biochemistry of virus infection. v. change in nuclear content of host cells infected by virus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13249

Effect of calcium nutrition on black shank of tobacco. (abstract). 13250

Development of resistance by the tobacco budworm to endrin and carbaryl. 13296

Fatty alcohol inhibition of tobacco auxiliary and terminal bud growth. 13630

TOBACCO MOSAIC VIRUS
Reactivity of tobacco mosaic virus and its protein toward acetic anhydride. 13228

Mitochondrial activities of detached tobacco leaves infected with tobacco mosaic virus: the possible scurce of energy for virus multiplicatien. in: Mirocha, c. j., and Dritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction; proceedings of a conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13236

Differences in aggressiveness between TMV-ISOLATES from tcmato on clones cf Lycopersicum peruvianum. 13265

Yield or glasshouse tomatoes as affected by strains of tcbacco mcsaic virus. 13266

TOLERANCES
A report cn residues in food. 13538

TOMATOES
Physiolcgy of wilt disease. in: Mirocha, C. j., and Uritani, I., ed. the dynamic rcle of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gramagori, Japan. sB611.B6. 13225

Differences in aggressiveness between TMV-ISOLATES from tcmatc cn clones cf Lycopersicum peruvianum. 13265

Yield of glasshouse tomatoes as affected by strains of tobacco mcsaic virus. 13266

The cccurrence of acid hydrclyzable phenolics in relation to Fusarium wilt disease in tomato plants. 13283

Studies on Botrytis cinerea in tomatoes inflnence of methcds cf deleafing on the cccurrence of stem lesions. 13284

Resistance of axenic tomato seedlings to Meloidogyne incognita acrita and to M. hapla. 13381

Gas chrcmatographic determinaticn of captan residues. 13550

TORTRIX VIRIDANA
A study of the life-cycles and hosts of some Ichneumonidae attacking pupae cf the green oak-leaf roller moth, Tortrix viridana (L.) (Lepidoptera: Torticidae) in England. 13315

TOUCH
Insect communication. 13021

TOWNS
Preferred Aedes aegypti larval habitats in nrban areas. 13023

TOXAPHENE
Evaluation in the greenhouse cf a new insecticide for hollwcrm ccntrol. 13345

A preventive holl weevil control program applied to a ten-sqnare-mile area within a treated ccunty. 13353

A preventive holl weevil control program applied to a ten-sqnare-mile area within an nntreated county. 13354

TOXICITY
Anisic acid esters as knockdcwn agents. 13008

Photodecompcsition of dieldrin and aldrin. 13056

Insecticide hcrmoligcsis. 13086

Evaluation of insecticides against fcur species of adult mosquitces in the Panama Canal Zone, 1967. 13157

Besponses of Aedes aegypti (L) from Alabama, Georgia and South Carolina to DDT, dieldrin, and malathion. 13164

Isoniazid toxicosis in ducklings: studies on pyridoxine, niacin, glntamic acid, and arginine supplementation. 13412

DDT problem at a glance. 13532

Toxic hazards from the use of insecticides in the control of Aedes aegypti. 13576

Food and health - the safe use of pesticides. 13577

Effect cf ethylene dibromide fnmigated feed on animals. sF97.B6. 13579

Toxicity evalnation of a technigne for introducing dieldrin into water. 13580

Studies of DNA, RNA, and protein synthesis in HeLa S cells exposed to DDT and dieldrin. 13581

Anatomopathological study of lesions caused hy intramuscular injection of hydrochlcride and phosphate complex of tetracycline. 13582

The apparent binding cf dDT to tissue components. 13584

Herbicides and their toxicity to livestock. 13589

Toxicity evaluation of air pollutants by use of luminescent hacteria. 13596

Possihle reactions for aflatoxin detoxification. 13598

Retention of vaporized lindane hy plants and animals. 13602

Preparation and biological activity of the isomers of dimethyl-1,3-dicarbomethoxy-1-propen-2-yl phosphate (Bomyl). 13649

TOXICOLOGY
Topical toxicity of several chlorinated hydrocarhon, organo-phosphorous, and carhamate insecticides to Lygns hesperns. 13083

Comparative toxicity of rodenticides. 13502

The toxicity of dimethyl 2-(alpha-methylhenzyloxycarhonyl)-1-methylvinyl phosphate (Shell Compound 4294) to livestock. 13601

Biochemical toxicology. 13604

TOXINS
Role of parasite enzyme and toxins in development of characteristic symptoms in plant disease. in: Mirocha, C. j., and Dritani, I., ed. the dynamic role of molecular ccnstituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sE611.C6. 13255

Biochemical response of plants to toxins produced hy the rice blast fungus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.c6. 13278

Dse of immunofluorescence and animal tests to detect growth and toxin production by Clostridium botulinum type E in food. 13507

Detection of botulinal toxins by immunodiffusion. 13508

Comparative pharmacology of some animal toxins. 13594

Purification of a protein from Bacillus thuringiensis toxic to larvae cf Lepidoptera. 13634

TOXOPLASMA
A survey on antibodies against canine toxoplasma hy hemagglutination test and isolation of the organism from dogs. 13461

TRACHEA
Pacemaker for tracheal ventilation in the cockroach, Periplaneta americana (L.). 13042

TRAINING
Training aspects of the Dnited States sponsored Aedes aegypti and malaria eradication programs. 13706

TRANID
Synthesis, biological activities, and properties of the syn and anti exo-3-chloro-endo-6-cyano-2-norbornanone O-methylcarbamoyl)oximes. absolute strnctnre of tranid miticide. 13651

TREE DISEASES
Diseases of forest plantings in Siberia. SB761 .A35. 13199

Diseases in forest plantations: thief of time. 13209

Factors determining resistance of elms to Ceratocystis ulmi. 13227

Bntt rot in yellcw-poplar seedling-sprout stands. 13233

TRIATOMA INFESTANS

Histology of Cronartium quercuum galls on shortleaf pine. 13238

Bacterial phloem canker, a new disease of Persian walnut trees. 13290

TRIATOMA INFESTANS
Laboratory culture of Triatoma infestans (Klug, 1834) (Hemiptera, Reduviidae). 13097

TRIAZINE-3,5(2H,4H)-DIONE, 6-AS-
Response of Heterodera trifolii in red clover roots to Azauracil and other inhibitors. 13382

TRIBOLIUM
Notes on the systematics and distribution of some Tribolium species (Coleoptera: Tenebrionidae). 12953

TRIBOLIUM CASTANEUM
The comparative effects of vitamin deficiency on development and on adult fecundity of Tribolium castaneum. 13005

Developmental rate and competitive ability in Tribolium. III. competition in unfavorable environments. 13032

New findings concerning pheromones produced by Trogoderma granarium (Everts), (Coleoptera, Dermestidae). 13143

Ontogeny and comparative radiation sensitivity in the confused flour beetle and strains of the red flour beetle. 13494

Effect of high-amylose field corn on larval growth and survival of five species of stored-grain insects. 13498

Effectiveness of gamma irradiation for control of five species of stored-product insects. 13500

TRIBOLIUM CONFUSUM
Developmental rate and competitive ability in Tribolium. III. competition in unfavorable environments. 13032

Ontogeny and comparative radiation sensitivity in the confused flour beetle and strains of the red flour beetle. 13494

Effectiveness of gamma irradiation for control of five species of stored-product insects. 13500

TRIBUTYL PHOSPHOROTRITHIOATE, S,S,S-
DEF. in: Zweig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. iv. herbicides. 395 pp. 13554

TRICHLORFON
The influence of a sub-acute infection of polyhedrosis virus in the cabbage looper on susceptibility to chemical insecticides. 13047

Effect of endrin and trichlorfon applied in artificial diet against larvae of sugar-cane borer Diatraea saccharalis (F.) (Lep., Pyralidae). 13049

Ostrinia nubilalis Hubner, injurious to globe artichoke in Egypt (Lepidoptera: Pyralidae). 13300

TRICHLOROPHENYLOXYALKYL ESTER
Herbicidal method employing trichlorophenyloxyalkyl esters of chlorinated aliphatic acids. patent 3,338,703. 13681

TRICHODERMA
Effects of three soil-inhabiting fungi on axenic peanut plants. (abstract). 13216

TRICHODERMA TODICA
Antiviral antibiotic from trichoderma todica and method of producing same. patent 3,323,996. 13673

TRICHOPLUSIA NI
The influence of a sub-acute infection of polyhedrosis virus in the cabbage looper on susceptibility to chemical insecticides. 13047

Fatty acid composition of the diet and larvae and biosynthesis of fatty acids from 14C-acetate in the cabbage looper, Trichoplusia ni. 13098

TRIFLURALIN
Metabolism of carbon-14 trifluralin in carrots. 13542

Fate of trifluralin in soils and plants. 13563

TRIPHENYL TIN
The retention of triphenyltin and dieldrin and its relevance to the toxic effects of multiple dosing. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965. S953.P32. 13585

TRIPHENYLTETRAZOLIUM CHLORIDE
Evaluation of regrowth potential of perennial forage crops using triphenyltetrazolium chloride. 13631

TRIPHENYLTIN ACETATE
Histological studies of tests in rats treated with certain insect chemosterilants. 13590

TRIPHENYLTIN CHLORIDE
Histological studies of tests in rats treated with certain insect chemosterilants. 13590

TRISTEZA (CITRUS)
Factors affecting transmission of tristeza virus by melon aphids. 13254

TROGODERMA GRANARIUM
New findings concerning pheromones produced by Trogoderma granarium (Everts), (Coleoptera, Dermestidae). 13143

TROMBIDIOIDEA
Occurrence of the larvae of "harvest or scrub itch-mites" (Acarina, Trombidoidea) on a scorpion. 13135

TROPICAL AGRICULTURE
Weed control in the tropics. 13394

TUBERCULOSIS
Tuberculosis in birds-of-prey. 13415

The relationship between bovine farcy and tuberculosis. 13432

Control of bovine tuberculosis in some countries. 13442

TUNGSTIC ACID
Changes of the wing pattern in the moths of the genus Zygaena Fabr. (Lepidoptera, Zygaenidae) obtained by intrapupae injections. 13028

TURKEY MEAT
Salmonellae associated with further-processed turkey products. 13503

Use of immunofluorescence and animal tests to detect growth and toxin production by Clostridium botulinum type E in food. 13507

TYPHLODROMUS
New species of the genus Typhlodromus from Sudan (Acarii Phytoseiidae). 12947

TYROSINE
Natural substrates of the phenoloxidase in the pupal blood of the silkmoths, Antheraea pernyi and A. encalypti. 13040

Nitritive effects of alanine, cystine, glycine, serine, and tyrosine on the silkworm, Bombyx mori. 13062

ULMUS
Biology of radicolous aphids on maize. 13299

ULMUS POLLANUICA
Factors determining resistance of elms to Ceratocystis ulmi. 13227

ULTRA LOW VOLUME APPLICATION
ULV aerial insecticide application for adult mosquito control. 13166

Ultra-low volume and conventional aerial sprays for control of adult salt-marsh mosquitoes, Aedes sollicitans (Walker) and Aedes taeniorhynchus (Wiedemann), in Florida. 13174

Control of mosquito adults and larvae with ultra-low volume aerial applications of Baygon and Baygon-Baytex mixture. 13188

Effect of environmental and biological factors on

persistence of malathion applied as ultra-low-volume or emulsifiable concentrate to cotton plants. 13607

How we modified a back pack sprayer for ULV insecticide applications. 13694

ULTRAVIOLET RAYS
Photodecomposition of dieldrin and aldrin. 13056

Preparations of aflatoxins and determination of their ultraviolet and fluorescent characteristics. 13488

Review of the metabolism and decomposition of diquat and paraquat. 13541

UNITED STATES
Initiation of the Aedes aegypti eradication programme of the USA. 13179

URACIL
Response of Heterodera trifolii in red clover roots to Azauracil and other inhibitors. 13382

UREA COMPOUNDS
Herbicidal composition and method= patent 3,330.641. 13406

New extraction system for residue analyses. 13565

UREDINALES
Natural enemies of rust fungi in the tropics. (abstract). 13221

URIC ACID
Cortisol and growth in insects. 13093

URIDINE
Response of Heterodera trifolii in red clover roots to Azauracil and other inhibitors. 13382

URINE
Metabolism of radioactive cesium (134Cs and 137Cs) and potassium by dairy cattle as influenced by high and low forage diets. 13548

Effect of ethylene dibromide fumigated feed on animals. sF97.E6. 13579

Metabolism of C-14-endothall in rats. 13597

USSR
Diseases of forest plantings in Siberia. SB761 .A35. 13199

USTILAGO HORDEI
Degradation of aromatic amino acids by fungi. II. purification and properties of phenylalanine ammonia-lyase from Ustilago hordei. 13628

VACCINES
Immunizing pigs against hog cholera with selected strains of live virus diarrhea virus and preparation of virus diarrhea virus hyper-immune hog cholera serum. patent 3,346,456. 13408

The control and eradication of brucellosis. i. serological responses in cattle following vaccination with S.19 and killed Brucella 45/20 adjuvant vaccine. 13416

The influence of Bi Newcastle disease vaccine upon immunity by revaccination with tissue culture Newcastle disease vaccine. 13417

Bovine vibriosis vaccine and method of administering same. patent 3,329,573. 13422

A trial in goats of an inactivated staphylococcal polyvalent somatic antigen vaccine against mastitis. 13430

The protection of calves against infection with Salmonella typhimurium by means of a vaccine prepared from Salmonella dublin (strain 51). 13441

VALINE
Effect of age on (14c)valine turnover into locust wing proteins. 13058

VAPORS
Retention of vaporized lindane by plants and animals. 13602

VEGETABLES
Atlas of diseases and pests of vegetables. SB731. A4. 13203

Insects of the season 1966 related to fruit, vegetables and ornamentals. 13325

Bioassay of insecticides for control of Drosophila melanogaster. 13369

Economically important nematodes in Ontario, 1966.. 13391

Recent research on the fate of herbicides in crop plants. in: isotopes in weed research; proceedings of a symposium vienna 25-29 October 1965. s589.S9. 13404

Possible appearance of degradation products of paraquat in crops. in: Isotopes in weed research; proceedings of a symposium, Vienna, 25-29 October 1965. s589.S9. 13629

VENOMS
Vasoactive peptides in venoms. 13591

Comparative pharmacology of some animal toxins. 13594

VERTEBRATES
A guide to helminth species described from African vertebrates. QL757.033. 13479

Dynamics of organochlorine insecticides in vertebrates and ecosystems. 13593

VERTICILLIUM ALBO-ATRUM
Effect of Thielaviopsis basicola root rot of cotton on incidence and severity of Verticillium wilt. 13245

VESPIDAE
The social Vespidae of central Europe. QL568.V5K4. 12961

VIBRIO FETUS BACTERINS
Bovine vibriosis vaccine and method of administering same. patent 3,329,573. 13422

VIBRIOSIS
Bovine vibriosis vaccine and method of administering same. patent 3,329,573. 13422

VIROCIDES
Reactions of peach trees and peach tree viruses to treatment with dimethyl sulfoxide and other chemicals. 13262

Pharmaceutical compositions and methods utilizing 2-aminoadamantane and its derivatives. patent 3,328,251. 13671

Antiviral antibiotic from trichoderma lodica and method of producing same. patent 3,323,996. 13673

VIRUS DIARRHEA
Immunizing pigs against hog cholera with selected strains of live virus diarrhea virus and preparation of virus diarrhea virus hyper-immune hog cholera serum. patent 3,346,456. 13408

VIRUS DISEASES (PLANTS)
Properties of white clover mosaic virus from indiana. 13207

Partial infection with potato virus YN of tubers from primarily infected potato plants. 13210

Effects of removal of leaves and tops on translocation of potato virus X and potato virus YN in potato plants. 13211

Electron microscopy of plant viruses; bibliography 1939-1965. 13213

Reactivity of tobacco mosaic virus and its protein toward acetic anhydride. 13228

Effects of tomato ringspot virus plant and fruit development of raspberries. 13230

Some aspects of the barley yellow dwarf virus disease in Manitoba. 13232

Heat treatment and meristem culture for the production of virus-free plant material. 13237

Biochemistry of virus infection. v. change in nuclear content of host cells infected by virus. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular con-

VIRUS HEPATITIS

stitnents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13249

Factors affecting transmission cr tristeza virus by melon aphids. 13254

Chenopodium quinca, a herbaceous test plant for chlorotio leaf spct virus in apple. 13260

Reactions cf peach trees and peach tree viruses to treatment with dimethyl sulfcxide and other chemicals. 13262

Differences in aggressiveness between TMV-ISOLATES from tcmatc cn clones cf Lyccpersicum peruvianum. 13265

Yield of glasshouse tomatoes as affected by strains of tobacco mcsaic virus. 13266

Scme prcperties of the double-standard RNA of rice dwarf virus. in: Mirocha, C. j., and Oritani, I., ed. the dynamic rcle of molecular constitnents in plant-parasite interaction. proceedings, ccnference held May 15-21, 1966, gamagori, Japan. sE611.C6. 13276

The biochemistry cf plant virus infection. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecnlar ccnstituents in plant-parasite interaction; proceedings of a conference held May 15-21, 1966, Gamagori, Japan. sB611.C6. 13277

Virus etiology of fcliar vein-flecking or ring pattern, and fruit russeting or blotch on apple. 13288

VIRUS HEPATITIS
Indirect hemagglntination with duck hepatitis virus. 13455

VIRUS X (POTATOES)
Effects of remcval of leaves and tcps on translccation of pctatc virus X and potato virus YN in potato plants. 13211

VIRUS YN (POTATOES)
Partial infection with potato virus YN of tubers from primarily infected potato plants. 13210

Effects of removal of leaves ann tcps on translccation of pctatc virus X and pctato virus YN in pctato plants. 13211

VIROSES
Polymerization-depolymerization of tobacco mosaic virus protein. x. effect of D2O. 13240

Polymerization-depolymerization of tobacco mosaic virus protein. vIII. light-scattering studies. 13273

VISION
Insect communicatcn. 13021

Optical crientatcn of the honey bee (Apis mellifica) according to the frontal angle of the perceived striated pattern. 13141

VITAMIN A
Vitamin A deficiency in young cattle. 13450

VITAMIN B6
Isoniazid toxicosis in ducklings: stndies on pyridoxine, niacin, glntamic acid, and arginine supplementation. 13412

VITAMIN D
Influence of vitamin D on calcium metabolism and the parathyroid glands of cattle. 13413

VITAMINS
The ccmparative effects of vitamin deficiency on development and on adult fecundity cf Tribolium castaneum. 13005

An artificial diet and some growth factor requirements for the pale western cntworm. 13070

The effects of diet on reprcduction in pigs, sheep and cattle. VI: cattle-protein, vitamins, minerals and other dietary substances. 13454

VOLATILE SUBSTANCES
Hazards of herbicide drift. 13586

VOLUMETRIC ANALYSIS
Comparative titration of eastern encephalitis virns in cell suspension and in cultures of dnck embryo fibroblasts. 13423

VORTICELLA
Observations on Culex pipiens larvae infested with Vcrticella sp. 13180

WARFARIN
Taste preferences in rodenticide development. 13635

WASTE DISPOSAL
Aguatic insects associated with midwestern waste stabilization lagoons. 13514

Anaerobic lagoon treatment of milking-parlor wastes. 13515

Design of a modern meat-packing waste treatment plant. 13519

Disposal and decontamination of ag chemical containers. 13588

WATER
Responses of tarsal hairs of the blnebottle, Calliphora erythrocephala Meig., to sugar and water. 13102

Ion movements and water transport in the rectum of the locust.Schistocerca gregaria. 13133

WATER POLLUTION
Anaerobic degradation of selected chlorinated hydrocarbon pesticides. 13513

Water pollution control and abatement. tD420.W45. 13520

Problems in WHO on pesticide residues. in: Radioisotcpes in the detection of pesticide residues; proceedings of a panel Vienna 12-16 April 1965. sB953.P32. 13570

Toxicity evaluation of a technigue for introducing dieldrin into water. 13580

WATER TREATMENT
Laboratory and field investigations cf mosquito populations associated with oxidation lagocns in Missouri. 13185

Anaerobic lagoon treatment of milking-parlor wastes. 13515

WAXES
Chemical and physical nature of plant cuticles in relation to the deposition and penetration of pesticides. in: Radioisotopes in the detection of pesticide residues; proceedings of a panel, Vienna, 12-16 April 1965 SB953. P32. 13623

WEATHER
Observations on the alfalfa leaf-cutter bee, Megachile rotundata, at Hodgson, Manitoba in 1966. 13112

WEED CONTROL
Weed control in the tropics. 13394

Method for pre-emergence control of undesirable plant life. patent 3,350,192. 13402

Substitnted norbornene herbicides. patent 3,324,147. 13640

WEEDS
Seminar session on cnrrent problems in weed research and possible application of nuclear technigues. in: Isotopes in weed research; proceedings of a symposium Vienna 25-29 October 1965. s589.S9. 13398

Acacia nilotica (L.) Del. snbsp. kranssiana (Benth.) Brenan. as a poisonons plant in South Africa. 13457

WETTABLE POWDERS
Pesticidal wettable powder formulation. patent 3,342,581. 13686

WHEAT
Effect of antagonists on growth and snrvival of Rhizoctonia solani in soil. 13204

Micro-organisms in the root region of wheat. literatnre review. 13231

Effect of Puccinia recondita infection on the RNA composition of wheat leaves. 13239

Differential resistance of cell walls of Acer psendo-

platanus, Triticum vulgare, Hordeum vulgare, and Zea mays to polysaccharide-degrading enzymes. 13247

Influence of light intensity on the reactions of wheat and barley seedlings to Puccinia striiformis. 13275

Host range of larvae of the northern corn rootworm (Coleoptera: Chrysomelidae). 13309

Phytotoxicity and wireworm-control efficacy of insecticidal dressings applied to cereal seed up to a year before planting. 13310

Genetics of resistance to leaf rust in the common wheat varieties Webster, Loros, Brevit, Carina, Malakof. and Centenario. 13319

The effect of wheat bug control chemicals on other wheat pests. 13326

Preparations of aflatoxins and determination of their ultraviolet and fluorescent characteristics. 13488

Plant growth regulant. biochemical behavior of 2-chloroethyl trimethylammonium chloride in wheat and in rats. 13526

Determination of chlorocholine chloride residues in wheat grain, straw, and green wheat foliage. 13560

Effect of benzimidazole and kinetin on the nicotinamide nucleotide content of senescing wheat leaves. 13626

WHEAT GERM
The relationship of the fatty acid composition of Heliothis zea larvae to that of its diet. 13117

Effects of natural (sorghum) and artificial (wheat germ) diets on development of the corn earworm, fall armyworm, and southwestern corn borer. 13302

WHITE CLOVER
Influence of sprinkler irrigation and four forage crops on populations of soil microorganisms including those antagonistic to Sclerotium rolfsii Sacc. 13222

WILDLIFE
Importance of an interdisciplinary approach. in: FAO symposium on integrated pest control, Rome, 1965. proceedings. SB951. F62. 13327

The natural history of zoonoses. 13453

Comparative toxicity of rodenticides. 13502

DDT problem at a glance. 13532

WILDLIFE PESTS
Contact avicides. patent 3,340,142. 13592

WILT
Physiology of wilt disease. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gramagori, Japan. sB611.R6. 13225

WILT (COTTON)
Effect of Thielaviopsis basicola root rot of cotton on incidence and severity of Verticillium wilt. 13245

WILT (QUERCUS)
The importance of insects to the spreading of oak wilt. 13350

WILT (TOMATOES)
The occurrence of acid hydrolyzable phenolics in relation to Fusarium wilt disease in tomato plants. 13283

WIND
The effect of wind direction on the index of diversity of night flying Lepidoptera in a particular area. 13051

WINGS (INSECTS)
Changes of the wing pattern in the moths of the genus Zygaena Fabr. (Lepidoptera, Zygaenidae) obtained by intrapupae injections. 13028

Effect of age on (14c) valine turnover into locust wing proteins. 13058

Further studies on the effect of X-irradiation on the house fly, Musca domestica L. 13114

Flight in Drosophila. iII. aerodynamic characteristics of fly wings and wing models. 13139

WOOD
Preference for wood of different degrees of dampness in some termites from Cuba (Isoptera). 13497

WOODPECKERS
Predatory and energetic relations of woodpeckers to the Engelmann spruce beetle. SB996 .W6K6. 13342

X-RAYS
Further studies on the effect of X-irradiation on the house fly, Musca domestica L. 13114

Kinetic organization of Lepidoptera chromosomes. 13144

Ontogeny and comparative radiation sensitivity in the confused flour beetle and strains of the red flour beetle. 13494

XANTHINE DEHYDROGENASE
Evolution of xanthide dehydrogenase in Drosophila. 13036

The wild type phenocopy of the rosy mutant of Drosophila melanogaster and its relation to xanthine dehydrogenase activity. 13120

XANTHOMONAS
Linkage studies on the resistance to bacterial leaf blight, Xanthomonas oryzae (Uyeda et Ishiyama) Dowson, in rice. 13269

XENOCOELIDIA
New neotropical Neocoelidiinae with keys to the species of Coelidiana, Xenocoelidia, and Nelidina (Homoptera: Cicadellidae). 12963

XIPHINEMA AMERICANUM
Dual transmission of tobacco ringspot virus and tomato ringspot virus by Xiphinema americanum. 13383

XYLEM
Physiology of wilt disease. in: Mirocha, C. j., and Uritani, I., ed. the dynamic role of molecular constituents in plant-parasite interaction. proceedings, conference held May 15-21, 1966, Gramagori, Japan. sB611.R6. 13225

YELLOW DWARF (BARLEY)
Some aspects of the barley yellow dwarf virus disease in Manitoba. 13232

YELLOW FEVER
Aedes aegypti and yellow fever. 13187

YELLOW VEIN (CUCUMBERS)
Dual transmission of tobacco ringspot virus and tomato ringspot virus by Xiphinema americanum. 13383

ZAGROSIA
Review and preliminary diagnosis of some Pamphagidae and Acrididae from Iran (Orth. acridoidea). 12946

ZEADIATRAEA GRANDIOSELLA
Effects of natural (sorghum) and artificial (wheat germ) diets on development of the corn earworm, fall armyworm, and southwestern corn borer. 13302

ZINC
Influence of copper and zinc on the incidence of potato scab. 13217

ZOOGEOGRAPHY
Data concerning the Hungarian dragonfly fauna (Odonata). 12934

Entomology of Antarctica. gL491.G7. 12952

Notes on the systematics and distribution of some Triholinum species (Coleoptera: Tenebrionidae). 12953

Further records of New Jersey aphids (Homoptera: Aphididae). 12968

The fleas (Siphonaptera) of Egypt. an illustrated and annotated key. 12969

Apterous aphids in water, wind, and suction traps. 12972

ZOOLOGICAL GARDENS

The distribution, density and seasonal prevalence of Aedes aegypti in West Africa. 12992

Records of the orthopteroid insects in Ontario. 12994

The European pine shoot moth, Rhyacionia buoliana (Lepidoptera: Olethreutidae), another introduced forest pest. 13332

ZOOLOGICAL GARDENS
Distemper outbreak in a zoo. 13447

ZOONOSES
The natural history of zoonoses. 13453

Summary of recent abstracts. IX. helminthiasis. 13467

ZYGAENA
Changes of the wing pattern in the moths of the genus Zygaena Fabr. (Lepidoptera, Zygaenidae) obtained by intra-pupae injections. 13028

Adams, F E
U.S. Department of Agriculture, Beltsville
Agricultural Research Service
Crops Research Division 13198
Afifi, A M
U.a.r. Ministry of Scientific Research, Cairo
Agricultural Research Centre
Biological Control Unit 13489
Agthe, C
World Health Organization, Geneva 13523
Ahren, A W
Campbell Institute For Food Research, Camden, N.j. 13691
Assem, M A H
U.a.r. Ministry of Agriculture, Dokki
Plant Protection Department 13300
Attia, F
U.a.r. Ministry of Agriculture, Dokki
Stored Products Pests Investigations 13490
Baker, K F
University of California, Berkeley 13204
Bancroft, J E
Purdue University, Lafayette, Indiana
Department of Botany and Plant Pathology 13206
Bancroft, J E
Purdue Agricultural Experiment Station, Lafayette, Ind. 13207
Bazzi, B
Instituto Agrarie Societa Montecatini, Milan, Italy 13524
Belloff, G E
American Scientific Laboratories 13468
Bogner, B I
Nuclear Science and Engineering Corporation, Pittsburgh 13527
Bram, R A
Smithsonian Institution, Washington, D.c.
Department of Entomology
Southeast Asia Mosquito Project 12937
Chinn, S H F
Canada Department of Agriculture, Saskatoon
Research Station 13219
Christell, B
Isotope Techniques Laboratory, Stockholm 13534
Christensen, C M
University of Minnesota, Saint Paul
Department of Plant Pathology 13484
Clark, I E
C.S.I.R.O
Division of Entomology 12943
Crosskey, R W
Great Britain Commonwealth Institute of Entomology, London 12944
Dropkin, V H
U.s. Department of Agriculture, Beltsville
Agricultural Research Center
Crops Research Division 13381
Elgersma, D M
Willi Commelin Scholten, Baarn, The Netherlands 13227
Endo, B Y
U.s. Department of Agriculture, Beltsville
Agricultural Research Center
Crops Research Division 13382
Flint, C S
Smithsonian Institution, Washington, D.c.
Department of Entomology 12950
Frakenhuyzen, A V
Netherlands Plantenziektenkundige Dienst 13229
Fulton, J P
University of Arkansas, Fayetteville
Department of Plant Pathology 13383
Hamilton, L M
U.s. Department of Agriculture
Agricultural Research Service
Plant Pest Control Division 13235
Barakly, F A
U.a.r. Ministry of Agriculture, Cairo
Plant Protection Department 13329
Harakly, F A
U.a.r. Ministry of Agriculture, Dokki
Plant Protection Department 13330
Hassanein, M A
Assiut University, U.a.r.
Faculty of Agriculture
Plant Protection Department 13496
Hearst, B B
Loyola Medical School
Department of Microbiology 13421
Heath, C P
Medical Research Council Laboratories, Carshalton, Surrey 13585
Hendley, N I
Admiralty Materials Laboratory, Holton Heath, England 13485
Hindy, B
U.a.r. Ministry of Agriculture, Dokki
Plant Protection Department
Division of Fruit and Wood Tree Insect Investigations 13334
Janarthanan, R
Agricultural College and Research Institute
Faculty of Entomology 13337
Jansen, J
Netherlands State University, Utrecht
Institute of Veterinary Parasitology and Parasitic Disease 13466
Jewell, F F
Louisiana Polytechnic Institute, Ruston
Department of Forestry 13238
Johnson, L B
University of California, Davis
Department of Agronomy 13239
Kaeding, W W
Mobil Chemical Company, Metuchen, N.j.
Central Research Laboratory 13069
Korte, F
Rheinische Friedrich Wilhelm University, Bonn 13551
Kramer, J P
U.s. Department of Agriculture, Washington, D.c.
Agricultural Research Service
Entomology Research Division 12963
Lambert, H L
U. S. Department of Agriculture, Asheville, North Carolina
Forest Service
Division of Forest Pest Control 13076
Lane, J B
U.s. Ruhher Company, Naugatuck, Connecticut
Naugatuck Chemical Division
Residue Analysis Group 13552
Loos, C A
Banana Board Of Jamaica, Kingston Gardens 13386
Lopez, L C
Mexico Instituto Nacional de Investigaciones Agricolas
Departmento de Fitopatolcgia 13487
MacDougall, D
Chemagro Corporation, Kansas City, Missouri
Research and Development 13554
Martin, J T
University of Bristol, Long Ashton, United Kingdom
Department of Agriculture and Horticulture Research Statio 13623
Mathre, D E
University of California, Davis
Department of Plant Pathology 13245
McNab, J M
University of Colcrado, Boulder
Department of Chemistry 13247
Methratta, T P
Wallace And Tierman, Inc., Belleville, N.j.
Central Research 13558
Nasr, El S A
Cairo University
Faculty of Agriculture
Plant Protection Department 13096
Nelson, D L
Chemagro Corporation
Research AND Development Dept.
Animal Health Section 13434
Nixon, G E J
Great Britain Commonwealth Institute of Entomology, London 12974
Olsen, C M
Litton Industries, Palo Alto, California
Atherton Division
Biological and Applications Research 13256
Peterson, R E
U.s. Department of Agriculture, Peoria, Illinois
Agricultural Research Service
Northern Utilization Research and Development Division 13655
Robinson, J
Shell Research Ltd.
Tunstall Laboratory, Sittingbourne, Kent 13593
Rosenkranz, E
University of Wisconsin, Madison
Department of Plant Pathology 13268
Rowley, W A
Washington State University, Pullman 12986
Ruzicka, J H
Great Britain Laboratory of the Government Chemist, London 13667
Scanlon, J E
Smithsonian Institution, Washington, D.c.
Southeast Asia Mosquito Project 12988
Searl, R C

Shepherd, B J

Fort Dodge Laboratories 13446
Shepherd, B J
Wisconsin Alumni Research Foundation 13272
Smith, J M
North Carolina State University, Raleigh, N.C.
Pesticide Residue Research Laboratory 13568
Strassen, R Zur
Natur-Museum und Forschungs-Institut Senckenberg 12991
Stubbs, B W
Wageningen Institute voor Plantenziektenkundigonderzoek
13275
Subbaroa, E V
Sri Venkateswara University
Department of Zoology 13135
Tengerdy, R P
U.S. Dept. of Agriculture
Colorado State University
College of Veterinary Medicine
Department of Microbiology 13456
Whitaker, D M
University Of Arizona, Tucson
Department Of Entomology 13602
Whittemore, F W
Food and Agriculture Organization of the United Nations
Plant Production and Protection Division 13603
Widmark, G
University of Stockholm
Institute of Analytical Chemistry 13684
Wilson, M E
University of California, Davis
Department of Plant Pathology 13290

Aalders, I E 13197
Abe, H 13624
Adams, E E 13198
Adiyodi, K G 13002
Adkins, T E 13690
Adkisson, P L 13296
Adler, E E 13436
Aelle, W 13003
Afifi, A M 13489
Agthe, C 13523
Ahmed, A A S 13407
Ahren, A W 13691
Akai, S 13200
Akazawa, T 13201
Akintonwa, D A A 13575
Akune, S 13075
Alhersheim, P 13247
Aldrich, F O 13653
Altaro, E 13097
Algera, L 13202
Allaway, W H 13429
Allen, A D 13434
Allen, E J 13357
Allen, W E 13297
Allen, W S 13417
Altman, B M 13157
Alumot, E 13579
Alwin, S 13203
Anand, B K 13343
Anderson, D E 13298
Anderson, E I 13163
Anderson, N H 13298
Anderson, E I 13004
Andrasfalvy, P 13299
Anonymous, 13191, 13467
Apahlaza, J U 13364
Appletaum, S W 13005
Arai, N 13062
Archibald, E M 13481
Arnold, H 13539
Asahi, T 13282
Askew, W I 13297
Assem, M A B 13300
Attia, E 13490
Auclair, J L 13006
Avens, A W 13531
Awad, T M 13301, 13607
Axtell, B C 13491
Ayres, J C 13503, 13508
Baart, E E 13696
Bailey, D L 13302
Baker, J A 13408
Baker, K F 13204, 13256
Baker, E. 13205
Balboni, E R 13007
Balevsky, A 13303
Ball, B C 13509
Balogh, J 12932
Bancroft, J E 13206, 13207
Banham, P L 13304
Baraud, J 12933
Barnes, J M 13576, 13577
Barnes, W W 13692
Baron, E I 13578
Bateman, D F 13208
Bauer, H 13144
Baxter, D V 13209
Bazzi, E 13524
Becht, G 13123
Becker, M 13409
Beckett, F W 13410
Beckman, H 13008, 13633
Beemster, A B E 13210, 13211
Beenakkers, A M T 13123
Behki, E M 13608
Bello, T B 13009
Belloff, G B 13468
Belski, P 13158
Belton, P 13159
Benedek, F 12934
Bennett, M 13251
Berck, E 13483
Bergen, H J 13700
Bernardi, G 12935
Beroza, M 1330B, 13529, 13530, 13637
Berre, J R Le 13010
Berry, D M 13451
Bertrand, H 12936
Betz, J T 13011
Bhamburkar, M W 13089
Bhatia, O B 13012
Bhatnagar, P L 13114
Bhuyan, B K 13644
Bidwell, R G S 13620
Bigalke, R 13457
Bills, D D 13525
Bily, S 1295B
Birchfield, W 13380
Blandford, T B 13411
Blickenstaff, C C 13312
Blinn, B C 13526
Bodily, H L 13507
Bodnaryk, R P 13013
Boerema, G B 13212
Bogner, R L 13527
Bohn, W R 13562
Boistel, J 13019, 13020
Boles, H P 13492
Boling, J C 13305
Bomhosch, S 13306
Bondi, A 13579
Bonner, F L 13540
Bonnet, D D 13706
Boreham, M M 13157
Botta, J A 13412
Bottger, G T 13307
Bourke, J B 13531
Bowman, M C 13308, 13528, 13529, 13530
Boyd, J E 1358B
Bozarth, G A 13541
Bradley, R E 13419
Bram, B A 12937
Brandes, J 13213
Brannaman, B L 13239
Branson, T F 13309
Brazzel, J B 13607
Bremner, K C 13471
Brenzoni, B Q 13610
Breuning, S 12938
Brezina, B 13109
Bridge, P S 13450
Broderick, E J 13531
Bromfield, K B 13214
Brown, A W A 13014, 13532
Brown, B W 13581
Brunsdon, E V 13469
Brust, B A 13015
Bryan, F L 13503
Budinger, F E 13596
Bull, D L 13016, 13535
Bull, J O 13635
Bullock, M W 13583
Burchfield, H P 13552
Burg, A C Van Der 13202
Burke, J A 13533
Burrage, R H 13310
Bursell, E 13017
Burt, E C 13693
Burton, B B 13436
Burts, E C 13311
Butler, C G 13018
Buzicky, A W 13694
Byrne, H D 13312
Callec, J J 13019, 13020
Calpouzos, L 13215
Camargo, S 13160
Campbell, J G 13451
Canaris, A G 13479
Cantrel, K E 13592
Capen, C C 13413
Carlson, C W 13458
Carlson, V L 13449
Carlton, W W 13412
Carroll, K 13633
Carter, O L 13429
Carthy, J D 13021
Cary, E E 13429
Case, J F 13042
Cavala, M 12939
Chada, H L 13302
Chadwick, G G 13580
Chandra, H 13012
Chang, C T 13216
Chapman, H C 13022, 13177
Charkey, L W 13427
Chatenet, G Du 12940
Chatterji, S M 13313
Chaudhary, K C B 13217
Chen, T A 133B5
Cheong, W H 13023
Chiba, M 13574
Chien, C C 13218
Chinn, S H F 13219
Chomiak, T W 13414
Chopard, L 12941
Chopra, N P 12942
Christell, B 13534
Christensen, C M 13484, 134B7
Christiansen, L N 13504
Christopher, K J 13135
Chung, R A 13581
Cihulka, J J 13639
Ciegler, A 13655
Clark, E W 13314
Clark, J 13411
Clark, L R 12943
Cohhins, R B 13440
Coker, W Z 13145, 13146
Cole, C R 13413
Cole, L R 13315
Collins, W B 13609
Colloms, M 13228
Cooksey, K E 13634
Coon, R E 13439
Cooper, J E 13415
Coppedge, J R 13016, 13535
Corbet, P S 13024
Corley, C 13564
Cornwell, G W 13572
Cornwell, P B 13635
Costa, H M A 13470
Costa, J J 13610
Couillaud, P 13193
Coutts, H H 13611
Covington, B M 13354
Cowan, F T 13316, 13702
Coyne, J F 13317
Craig, D L 13197
Craig, G B 13147, 13162
Crawford, R F 13406
Creelman, D W 13220
Creighton, C S 13025, 13027
Crisan, E V 13636
Crittenden, H W 13242
Crone, A D 13026
Cronenberger, L 13656
Croshy, D G 13056
Crosskey, R W 12944, 12945
Cuerrier, J P 13536
Cummings, J G 13537
Cunningham, B 13416
Cunningham, J L 13221
Curl, E A 13222
Currie, J E 130B1
Cuthbert, E B 13025
Cuthbert, F P 13027
Cuthbert, R B 13027
Dahrowski, J S 13028
Dawron, B L 13419
Darlington, W A 13345
Das, N M 1331B, 13389
Dauer, M 13114
Davey, K G 13029
Davich, T B 13323
Davies, D M 13163
Davis, C W C 13030
Davis, G R F 13031
Davis, R E 13564
Dawson, K 13538
Dawson, P S 13032
Day, W H 13506
Dean, H A 13305
Deffner, J 13504
Dekhuijzen, H M 13223
Demuynck, D 13224
Deoras, P J 13501
Desaty, O 13612
Descamps, M 12946
Dethier, V G 13033
Dimond, A E 13225
Dishon, I 13253
Dixon, J M 13417
Dlugokecka, T 13034
Dogra, G S 13035
Doherty, J O 13578
Dohring, E 12961
Doolittle, R E 13637
Doom, D 13493
Dorfman, E 136B1, 13683
Dorough, H W 13535
Drake, C R 13613
Dropkin, V H 13381
Dudzinski, A 13126
Duffy, T R 13510
Duggan, R E 13538
Duke, E J 13036
Duncan, C L 13505
Dunham Jr, M L 13614
Dunleavy, J M 13243
Dunn, A M 13477
Durhin, B D 13226
Durie, P H 13471
Dury, K 13660, 13662
Dyck, P L 13319, 13367
Edgerton, L J 13539
Edwardson, J R 13287
Egelhaaf, A 13148
Eilingsfeld, H 13678
El Sayed, E I 13540
Elhadry, E A 12947
Eldridge, J M 13674
Elek, P 13471
Elgersma, D M 13227
Ellen, J 13289
Emerson, K C 12981
Endo, B Y 133B2
Engel, D 13599
Engels, W 13037
Enns, W R 13185, 13514
Erdman, H E 13494
Erwall, L G 13534
Ettershank, G 13038
Evans, H E 12948
Evans, J J T 13039, 13040
Evans, J M 13418
Fan, O F 13615
Fang, S C 13597
Farias, G J 13355
Farish, D J 13041
Farley, R D 13042
Favard, A 12949
Fawcett, A R 13474
Fernandez, M 13008
Finlayson, D G 13304
Firestone, E 13548
Firtel, R A 13043
Fischer, A 13660, 13661, 13662
Fishhein, L 13606
Flentje, M T 13204
Flentje, N T 13256
Flessel, J K 13370
Flint, O S 12950
Flynn, A D 13164
Fokkema, N J 13202
Foote, B A 13357
Forbes Jr, I 132B7
Ford, J B 13072
Fordyce, C 13216
Forrest, D T M 13418
Foster, E M 13504

Foster, J

Foster, J 13393
Foster, N E 13546
Fourche, J 13044
Fraenkel-Conrat, H 13228
Frakenbuyzen, A V 13229
Franklin, R T 13076
Fredrickson, O L 13290
Freeman, J A 13230
Freeman, C I 13511
Frye, J 13374
Fuhrmann, T W 13553
Fukuda, S 13045
Fukuto, T R 13643
Fukutomi, M 13200
Fulton, J F 13383
Funderburk, H H 13541
Furtick, W R 13394
Gadallah, L A 13517
Gale, G O 13562
Gallego Garcia, E 13582
Galun, E 13046
Gams, W 13231
Garber, S H 13245
Garretson, A L 13642
Gasser, R 13322
Gast, R T 13323
Gatterdam, P F 13583
Gayle, C H 13166
Geib, A F 13695
Ghelfi, R A 13610
Ghosh, A K 12972
Gibson, F A 13324
Giess, M C 13107
Gilbert, E F 13649
Gill, C C 13232
Ginns, J H 13233
Girard, C 12951
Girardeau, J H 13047
Glassman, E 13036
Goble, H W 13325
Golak, T 13542
13563
Goldblatt, L A 13488
Goodman, R N 13234
Goplen, S F 13358
Gorbach, S 13543
Goulding, R L 13672
Graikoski, J T 13506
Granger, R L 13616
Graves, J S 13540
Green, D H 13393
13395
Grefig, A T 13636
Gressitt, J L 12952
Griffith, W P 13558
Grigorov, S 13326
Grison, P 13327
Grobbelaar, J H 13696
Groenewegen, C A M 13293
Grossbard, E 13512
Grove, J 13073
Guardia, F S 13657
Gurba, J 13310
Gutbrie, D M 13048
Back, H 13403
Hady, I 13049
Hagedorn, D J 13268
Hall, C F 13433
Hall, R 13617
Halstead, D G H 12953
Hamblen, M L 13390
Hamilton, D W 13328
Hamilton, L M 13235
Handel, E Van 13050
Hansen, J S 13472
Hanson, L E 13455
Harakly, F A 13329
13330
Hardy, E 13411
Harein, P K 13495
Harling, J 13051
Harms, B B 13419
Harries, F H 13331
Harris, C E 13544
Harris, J W E 13332
Harrison, M B 13384
Harter, G O 13420
Hartman, K T 13545
Haskell, P T 13052
13053
Hassanein, M A 13496
Hatanaka, A 13584
Hatbaway, O O 13328
Hatherill, C W B 13473
Hattori, H 13624
Hauptmann, G A 13605
Hawlitzky, N 13010
Hayashi, M 13054
Hayes, S C 13055
Hays, B L 13590
Hearst, B B 13421
Heath, G B S 13474
Heatb, O F 13585
Hebert, C 13445
Hedin, P A 13374
Heed, W B 13073
Heinrichs, D H 13333
Helmholdt, C F 13414
13462
Helrich, K 13567
Hemming, F 12954
Henderson, G L 13056
Hendley, N I 13485
Hendrickson, B 13556
Henrot, H 12955
Herberg, K J 13542
13563
Heron, R J 13057
Herve, P 12956
Heslop, J P 13058
Hibbs, J W 13413
Hickerson, L H 13639
Hickey, W A 13147
Hicks, L J 13531
Higgins, R E 13586
Hill, D W 13513
Hill, G N 13443
Hill, M 13068
Hilton, B D 13584
Hindy, B 13334
Hines, N W 13520
Hirai, T 13236
Hirumi, H 13385
Hissong, G 13207
Hodgson, E 13071
Hoelscher, C E 13546
Hoerlein, A B 13422
Hoffmann, B L 13165
Hogue, E J 13616
Holzer, F J 13563
Honer, M B 13475
13476
Hooper, F B 13509
Hope, A M 13068
Hopkinson, D 13347
Horber, E 13335
Horie, Y 13059
Hougham, D F 13427
Houten, J G Ten 13237
Howkins, A B 13482
Hrdy, I 13497
Huang, I-Lo 13581
Hubbard, D I 13440
Hude, R 13193
Huet, C 13060
Humphries, O A 13061
Hunkapiller, P O 12957
Hurka, K 12958
Hurpin, B 13336
Hurtig, H 13547
Hutson, D H 13575
Hwang, J 13423
Hyodo, H 13282
Iablokoff, A Kh 12959
Ibrahim, M M 13096
Ichihara, T 13461
Im, H B 13618
Imes, G D 13456
Inniss, W E 13460
Irving, K H 13609
Ishibashi, Y 13465
Ishida, N 13200
Ito, T 13062
13095
Iwata, M 13697
Jablonski, S 13638
Jackson, C E 13083
Jacot, A 13318
Jacobs, D E 13477
Jaffe, W G 13619
Janarthanan, B 13337
Jansen, J 13466
Jarvis, J L 13338
Jasic, J 13063
Jasper, D E 13428
Jaworski, E G 13555
Jay, S C 13064
13065
Jeun, J 13285
Jewell, F F 13238
Johnson, J E 13548
Johnson, L B 13239
Johnson, R H 13424
Jolly, R D 13425
Jonas, W E 13426
Jones, J C 13066
Jones, J E 13380
Jones, M 13067
Jones, M D R 13068
Jong, C 13349
Joshi, H C 13339
Judd, W W 12960
Jung, H F 13668
Kaeding, W W 13069
Kaji, J 13278
Kalode, M B 13340
Kalogeris, B 13395
Kamath, S M 13362
Kamel, A H 13490
13496
Kaneda, H 13587
Kano, A K 13427
Kasting, B 13070
13087
Kato, S 13249
Kaufman, O D 13657
Kearney, P C 13549
13657
Keith, J A 13536
Kempe, L L 13506
Kemper, H 12961
Kenaga, E E 13069
Kevan, O K M 12994
Khalifa, A 13341
Khalil, M T M 13240
Khan, M A Q 13071
Khan, M B 13072
Kiigemagi, O 13580
Kilgore, W W 13550
Killingsworth, B F 13165
Kim, W K 13620
Kimerle, R A 13514
Kingsolver, C H 13244
Kiraly, Z 13234
Kirby, A H M 13251
Kircher, H W 13073
Kitahara, Y 13461
Kiyota, T 13465
Klemp, H 12962
Klopping, H L 13396
Klun, J A 13308
Knaak, J B 13674
Knapp, F W 13166
Knox, K L 13548
Kobara, E 13074
Koga, K 13075
Kojima, M 13282
Koplin, J B 13342
Korte, F 13551
Kottaridis, S D 13414
Kraft, A A 13503
Kragbt, A J 13486
Kramer, J P 12963
Krexner, B 13241
Kroger, O 13428
Krzywicki, M 12964
Kubota, J 13429
Kuc, J 13621
Kundu, G G' 13343
Kunob, H 13200
Kushner, V D 13242
Lacourt, J 12965
Lafon, J 13193
Laird, M 13167
Lal, B 13377
Lambe, B C 13243
Lambert, H L 13076
13698
Lane, J R 13552
Langley, P A 13077
Lanier, G N 13344
Laufter, M A 13240
13273
Lauge, G 13078
Lawler, P O 13622
Lazar, V A 13429
Leaby, M G 13079
13127
LeBerre, B 13084
Leclant, F 12966
Ledingham, B J 13219
Lefkovitch, L P 13080
13081
Lehnert, T 13082
Leigh, T F 13083
LeJambre, L F 13478
Lemaire, C 12967
Leonard, M D 12968
Lepper, A W O 13430
Lesse, H De 13149
Levi, E 13397
Levin, A A 13663
13664, 13666
Lewis, B E 12969
Lichtenstein, E P 13553
13566
Lindaner, M 13141
Linder, J 13405
13681, 13683
Lindgnist, D A 13016
13363, 13535
Line, B F 13244
Lisk, D J 13539
Little, E C S 13398
Ljunggren, K 13534
Lloyd, E P 13693
Loehr, R C 13515
Lofgren, C S 13174
13175
Lombardo, P 13649
Loos, C A 13386
Loos, S B 13386
Lopez, L C 13487
Loux, H M 13396
Lubin, Y 13005
Luca, Y De 13085
Luckenbaugh, B W 13399
Luckey, T D 13086
Ludvik, G F 13345
Lunginbubl, R E 13414
13462
Lutin, P A 13639
MacDonald, J W 13464
Macdonald, W W 12970
13150
MacDougall, D 13554
Maclachlan, G A 13615
MacQueen, K F 13500
Madsen, H F 13346
13547
Mahunka,s 12932
Majerska, M 13109
Malaney, G W 13639
Mancini, L O 13431
Mansingh, A 13129
Maramorosch, K 13385
Marco, G J 13555
Mark, V 13640
13641
Marks, E C 13486
Marsh, W S 13642
13658
Martin, J T 13623
Maruno, S 13624
Marzke, F O 13492
Materu, M E A 13347
Mathre, O E 13245
Mathur, L M L 13128
Mathur, Y K 13339
Matsumura, F 13054
Mattingly, P F 12971
13168
Maurer, C L 13205
Maurer, R A 13205
Maxfield, B K 13055
May, J 13288
Mays, T 13588
McCarter, S M 13246
McCarty, P L 13513
McClanahan, B J 13348

McDuffie, W C 13169
McGinnis, A J 13070, 13087
McIntosh, I G 13589
McKenzie, H 13700
Mckie, E A 13449
McLeod, B B 13375
McMullen, R D 13349
McNab, J F 13247
Meadows, K E 13088
Meagher, W B 13556
Medler, J T 12972
Meer, F A Van Der 13237
Mehren, G I 13557
Mehrotra, K N 13089
Menon, M B 13389
Metcalf, F I 13643
Methratta, T F 13558
Meyer, C E 13644
Meyer, J 13224
Midura, T 13507
Mihalyi, F 13170, 13171
Miles, F W 13090
Miller, G E 13559
Miller, H J 13482
Miller, L I 13387, 13388
Miller, W K 13645
Mills, E E 13100
Minamikawa, T 13282
Minkevic, I I 13350
Minyard, J E 13374
Mirocha, C J 13248, 13625
Misawa, T 13249
Mishra, D 13626
Mistric, W J 13351, 13352, 13353, 13354
Mitchell, E B 13047, 13353
Mitchell, L C 13646
Mittler, T E 13091, 13092
Montagna, R W 13558
Mooney, R F 13560
Moore, K 13628
Moore, L D 13250, 13613
Moore, M H 13251
Moran, V C 13696
Mordue, W 13093
Morello, A 13649
Morley, H V 13574
Morrison, G J 13696
Mosbacher, G C 13151
Moser, J G 13094
Mostafa, I E 13432
Moucha, J 12973
Mouchet, J 13172, 13173
Mount, G A 13174, 13175
Mozier, J C 13434
Mueller, E K 13596
Mukai, J I 13075
Muller, K C 13252
Munakata, K 13624
Murakami, S 13152
Murphy, C D 13433
Mutchmor, J A 13004, 13138
Nair, M R G K 13318, 13389
Nakagawa, S 13355
Nakashima-Tanaka, E 13152
Nakasone, S 13095
Nasr, El S A 13096, 13300
Nazarov, G S 13561
Neghme, A 13097
Neighbors, R F 13647, 13648
Nelson, D I 13434
Nelson, D E 13098
Nelson, E L 12975
Netzer, D 13253
Nevins, D J 13247
Newallis, P E 13649
Newcomer, J S 13681
Newhall, W F 13627
Newman, G 13441
Newman, L R 13099
Newsom, L O 13356
Nielsen, D J 13100
Ninet, L 13435
Nixon, G E J 12974
Noble, L W 13111
Norman, P A 13254
Novak, J A 13357
Novak, K 13049
Nygaard, G S 13507
O'hrien, R O 13584
O'Connor, F M 13614
O'Donnell, A E 12957, 12975
Ohry, J 12976
Ochs, J 12977
Ogaki, M 13152
Ogambo-Ongoma, A H 13479
Ogasawara, N 13278
Okazaki, Y 13465
Oku, R 13255
Okutani, T 13101
Olander, H J 13436
Olin, J F 13650
Olsen, C M 13204, 13256
Olson, O E 13458
Omori, N 13176
Omori, T 13437
Ordish, G 13194
Ortman, E E 13309
Osgood, E A 13314
Oshima, K 13282
Ospenson, J N 13571
Oswald, J W 13257
Otter, C J Den 13102
Outram, I 13103
Owen, L N 13438
Pacheco, H 13656
Pack, D E 13571
Paik, W H 12978
Pal, R 13104
Palmer, I S 13458
Pankiw, P 13358
Pant, N C 13340
Panwar, V P S 13313
Papavizas, G C 13258
Parencia, C R 13359
Parish, R H 13286, 13611
Park, K E 13105
Parka, S J 13542, 13563
Parks, G L 13583
Pasarela, N B 13560, 13562
Patana, R 13699
Pate, R D 13590
Paton, D 13400
Patton, V D 13519
Payne, L K 13651, 13652
Pearson,j R 13653
Pease, H L 13654
Peet, C E 13244
Pener, M P 13106
Pepin, H S 13259
Petersen, J J 13022, 13177
Peterson, K T 13439
Peterson, L K 13700
Peterson, R E 13655
Peyton, E L 12988
Pfaeltzer, H J 13260
Pfann, G 13518
Phillips, W P 13565, 13691
Pienaar, J G 13457
Piening, L J 13261
Pieringer, A P 13627
Pillon, D 13656
Pine, T S 13262
Pinnert, S 13435
Pinto, J O 13121
Pisano, J J 13591
Planel, H 13107
Plantrou, J 12979
Platonow, I 13445
Plimmer, J R 13657
Poland, J L 13705
Polhemus, J T 12980
Pommer, E H 13678
Pons, W A 13488
Popov, P 13195
Porch, H E 13701
Porter, M L 13533
Pound, G S 13263, 13272
Pratt, H D 13706
Prend'homme, J 13435
Preul, R C 13516
Price, R D 12981
Pringle, R R 13271
Priore, R 13360
Pritchard, N J 13264
Prohst, G W 13563
Pschorn-Walcher, H 13108
Putnam, P A 13564
Quak, F 13237
Quintana, V 13154
Rahy, C T 13440
Radev, R 13361
Rai, K S 13153
Rai, S 13343
Randolph, M L 13345
Rankin, J D 13441
Rao, B R S 12989
Rao, K V 13642, 13658
Rao, P V S 13628
Rao, V P 13362
Rast, A T R 13265, 13266
Rattanarithikul, M 12937
Ratts, K W 13659
Ravenscroft, A V 13245
Reccari, F 12982
Reda, I M 13407
Rehacek, J 13109
Reicheneder, F 13660, 13661, 13662
Reinert, A J 13592
Reis, R 13442
Renard, J L 13267
Renn, D W 13658
Reuter, G L 13443
Reyes, H 13097
Rhine, J J 13498
Richards, O W 12983
Richter, S R 13401, 13402, 13663, 13664, 13665, 13666
Rick, P D 13625
Ridgway, R L 13363
Rinterknecht, E 13110
Roberson, J L 13111
Robertson, D R 13112
Robertson, J A 13488
Robinson, A G 13364
Robinson, J 13593
Rockey, M L 13539
Rockstein, M 13113, 13114
Rodriguez, J G 13369
Roe, F J C 13444
Roeder, K D 13042
Rogers, L J 13622
Rose, A H 13365
Rosenkranz, E 13268
Roszkowski, A P 13502
Roth, P 12984
Roudier, A 12985
Round, M C 13480
Routledge, J K 13459
Rowley, W A 12986
Rudnick, A 13178
Ruf, J A 13515
Rumsey, T S 13564
Russell, F E 13594
Russell, J S 13073
Russo, G 13366
Ruzicka, J H 13667
Saha, J G 13517
Sakaguchi, S 13269
Samhorski, D J 13319, 13367
Sanchez, E 13595
Sans, W W 13544
Santree, J 13270
Saringer, G 12987
Sasakawa, M 13115
Saucier, A 13445
Saul, G B 13043
Saunders, D S 13116
Saxena, J D 12989
Scanlon, J E 12988
Schaefer, C H 13117
Schaeffer, G W 13382
Schafer, W 13403
Scheer, C Van Der 13223
Scheffer, R P 13271
Scheinpflug, R 13668
Schenone, R 13097
Schlichting, H I 13682
Schliessmann, D J 13179
Schnetter, W 13118
Schnorhus, E R 13565
Schober, H 13180
Schoof, A F 13181
Schoof, H F 13119, 13164, 13182, 13190
Schott, C O 13605
Schrader, G 13668
Schroepfer, G J 13516
Schurmann, G 13518
Schwinck, I 13120
Scopes, N E A 13553, 13566
Scudder, G G E 13041
Searl, R C 13446
Sedgwick, C J 13447
Selander, R B 13121
Senkheil, H O 13676
Serat, W F 13596
Sethi, G R 13089
Sethi, S L 13122
Sharma, A K 12989
Sharma, G C 13313
Sharma, V K 13343
Shay, E G 13677
Shealy, Y F 13374
Sheets, T J 13568
Sheffield, F M L 13196
Shehata, T 13368
Shepherd, R J 13272
Shibe Jr, W J 13669
Shimanuki, H 13082
Shively, R G 13556
Shulov, A 13143
Siddiqui, K H 13313
Sidles, H A 13670
Siewierski, M 13567
Simpson, J 13018
Simpson, J W 13448
Sin, C J 13618
Singh, P 13369
Sittenfield, M 13669
Sjostrand, B 13534
Skaff, V 13127
Skoog, F E 13702
Skrentny, R F 13553
Slack, O A 13390
Slade, P 13629
Sloan, J L 13525
Smit, W A 13123
Smith, C E 13273
Smith, C N 13124, 13183, 13184
Smith, O R 13693
Smith, E R 13370
Smith, G W 13671
Smith, H G 13672
Smith, R J 13481
Smith, J E 13400
Smith, J W 13568
Smith, W L 13185
Smittle, B J 13125
Smyser, C F 13449
Smyth, J D 13482
Snoeyenhos, G B 13449
Soares, T 13377
Soderstorm, E L 13495
Sokoloff, B 13673
Soleihavoup, J P 13107
Soo Hoo, C F 13126
Soo, A 13597
Soper, F L 13186, 13187

Southwick, J W

Southwick, J W 13692
Spaulding, D W 13630
Spencer, E Y 13649
Spielman, A 13127
Spratling, F B 13450
Srivastava, B K 1312B
Srivastava, E D 13129
Srivastava, U S 13130
Stace-Smith, R 13230
Stahmann, M A 13274
Stakman, E C 13235
Stallknecht, G F 13215
Stanley, M S M 13131
Staples, R 13498
Starre, H Van Der 13102
Stary, F 13371
Stefcik, A 136B6
Steffens, G L 13630
Steinberger, S 13677
Stephancv, S 13361
Stevens, L F 13188
Stevens, R K 13569
13248, 132B2
Stevenson, E 13132
Stiles, A R 13570
Stobbart, R H 13133
Stollings, H W 13651
Stoloff, L 1359B
Stoltzfus, W E 13357
Stone, A 12990
Stone, A W 13653
Stone, E 13536
Storch, R H 13703
Storrs, E E 13552
Stowe, C M 13559
Strassen, R Zur 12991
Stratton, J R 13506
Stretton, H M 13204
Strickland, A H 13372
12996, 12997
Strong, D H 13505
Strong, F E 13373
Stroud, R F 131BB
Strow, C E 13651
Struck, R F 13374
Stubbs, R W 13275
Styczynska-Jurewicz, 13134
Subbarao, M V 13135
Sugai, E 13136
Sugitama, A 13504
Snkkestad, D R 1309B
Sullivan, L J 13674
Surrey, A R 13675
Surtees, G 12992
13137
Suss, A 1351B
Suzuki, M 13631
Suzuki, N 13276
Swanson, C R 13404
Swarbrick, O 13451
Swenson, K G 13122
Switzer, W E 13452
Swoboda, A R 13521
T-W-Fiennes, R N 13453
Taclindc, 13507
Takahashi, T 13236
Takahashi, W N 13277
Takeuchi, S 13045
Tamari, K 1327B
Taschenberg, E F 13531
Tassell, R 13454
Tateyama, Y 13461
Tavel, F De 131B9
Taylor, R 13369
Taylor, D K 13279
Taylor, D I 13455
Taylor, R J 13441
Taylor, R T 13190
Tengerdy, R E 13456
Tepe, J R 13542
13563
Terflanche, M 13457
Thiessen, C I 1313B
Thomas, G W 13521
Thompson, A C 13374
Thompson, O J 1345B
Thomson, J 13667
Thorold, C A 132B0
Tichelaar, G M 132B1
Tinsley, I 13597
Tixador, R 13107
Tod, M E 13477
Toda, Y 13673
Tolin, S A 13206
Tolksmith, R 13676
Tondreau, R E 13562
Towers, G H N 1362B
Townshend, J L 13391
Trager, W 1359B
True, R P 13233
Trum, R F 13459
Truscott, R R 13460
Tso, T C 13630
Tucker, R V 13571
Tuite, J 13207
Turnock, W J 13375
Tweet, O 13645
Tye, R 13599
Uchidomi, M 13465
Uchinund, Y 13461
Ueda, T 13465
Urago, T 13355
Uritani, I 13201
Vabrmeyer, J 13457
Van De Van, M 13376
Van Den Briel, L 132B3
Van Der Schans, C 13563
Vaughn, J L 13131
Vega Lette, L 13619
Venkataratnam, A 13135
Verhoeff, K 132B4
Verma, K D 12993
Vermilyea, R L 1350B
Vetter, R L 13420
Vickers, J H 13462
Vickery, V R 12994
Viette, P 12935
Viggiani, G 12995
12996, 12997
Villiers, A 1293B
Vining, L C 13612
Vinson, S R 13301
13607
Vogel, S 13139
Wadhi, S R 13377
Wagner, U 13543
Wakeman, R L 13677
Walker, D W 13154
Walker, R W 1350B
Walker, J 13477
Walker, N M 1323B
Wallen, V R 132B5
Ward, G M 13548
Ware, G W 13602
Washko, W W 13632
Watanabe, T K 13155
Watson, T P 1337B
Watters, F L 13499
13500
Wattiaux, J M 13140
Waygood, E R 13626
Weatherholtz, W M 13572
Webb, R E 133B1
13572
Webley, D J 132B6
Webster, W M 13463
Wegler, R 13403
Wehner, R 13141
Weidenbach, C P 13601
Weidhaas, D E 13169
Weidinger, R 1367B
Weil, E D 13405
13679, 136B0, 136B1
136B2, 13683
Wells, H D 13287
Welsh, M F 132BB
Wenk, P 130B4
Westdal, P H 13379
Westermark, T 13534
Westra, H 1299B
Wheals, R R 13667
Whitaker, D M 13602
White, R 13550
White, R G 13434
Whitlock, J R 1347B
Whittemore, F W 13603
Widmark, G 136B4
Wijngaarden, T P 132B9
Wildbolz, T 12999
Wilkinson, C 13000
Williams, K 13346
Williams, R T 13604
Willoughby, E 13519
Willrich, T L 13520
Wills, W H 13250
Willsey, G P 136B5
Wilson, E E 13290
Wilson, E O 13142
Wilson, E T 1369B
Wilson, J E 13464
Winter, F 13660
13661
Winterlin, W 13550
Wittmann, W 13291
Wolf, D D 13632
Wolfenbarger, D A 13546
Wong, N 13510
Wong, S I 132B5
Wood, R M 13507
Wood, R O 13332
Woodard, D R 13022
13177
Woods, C T 13707
Woods, W G 13406
Woodward, F E 136B6
Woolf, C 136B7
Worthley, E G 13605
Wozniak, L A 135B3
Wright, J W 13167
Yamano, Y 13465
Yamazaki, S 13115
Yaron, R 13521
Yates, V J 13431
Yinon, U 13143
Yip, G 13573
Yoder, H W 13433
Yoshida, T 136BB
Young, R W 13572
Young, W A 13447
Young, W R 13313
Younger, R L 13601
Ynle, W N 13574
Zadoks, J C 13292
13293
Zaitlan, M 13234
Zambettakis, C 13294
Zandvoort, R 13293
Zee, K T 13537
Zeitoun, F M 13290
Zeleny, J 13049
13497
Zielinski, W L 13606
Zscheile, F P 13239
Zumpt, F 13001
Zwatz, R 13295

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Badische Anilin- + Soda-fabrik Aktiengesellschaft 13661 13662
Badische Anilin- + Soda-Fabrik Aktiengesellschaft, Germany 13660
Bionetics Research Laboratories, Inc., Falls Church, Va. 13606
British Weed Control Council 13392
Campbell Soup Company, Camden, N.J. 13651
Campbell Soup Company, Camden, N.J.
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Chas. Pfizer And Co., Inc., New York, N.y. 13642
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Food and Agricnlture organization of the Unite nations 13320
Food and Agricnlture Organizaticn of the Dnited Nations 13321 13523 13603
Food And Drug Administration, Washington, D.c.
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Food And Drug Administration, Washington, D.c.
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Micrc Tek Instruments Corporation, Batcn Rouge, La. 13569
Millmaster Onyx Corporation, New York, N.y. 13677
Monsantc Chemical Co., St. Louis, Mo. 13555
Monsantc Ccmpany, St. Louis 13650
Monsantc Company, St. Louis, Missouri 13641 13659
Monsantc Company, St. Louis, Mo. 13640
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Phillips Petroleum Company 13592
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Rhone-Poulenc S.a., Paris, France 13435
Richardson-Merrell Inc., New York 13443
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Rutgers - The State University, New Brunswick, N.j.
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Shionogi And Company, Ltd., Osaka, Japan 13688
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Stauffer Chemical Company, Richmond, California 13588
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U.s. Atomic Energy Commission 13247
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Entomology Research Division 13528 13529 13530
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D.s. Food And Drug Administration, Kansas City, Mo. 13545
U.s. Food And Drug Administration, Washington, D.c.
Bureau Of Science
Division Of Food Chemistry 13578
D.s. Food and Drug Administration, Washington, D.c.
Division of Food 13646
D.s. Food And Drug Administration, Washington, D.c.
Division Of Food Chemistry 13598
Dnion Carbide Corp 13652
Dnion Carbide Corp, Sonth Charleston, West Virginia
Research And Development Department 13651
Dnion Carbide Corporation 13614
United Fruit Company, Almirante, Panama
Chirigui Land Company 13386
Dnited States Borax + Chemical Corp., Los Angeles 13406
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Dniversity Of California, Berkeley
Department Of Molecular Biology 13228
Dniversity Of California, Berkely
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University Of Cincinnati, Ohio
College Of Medicine
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Kettering Laboratory 13599
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Institute Of Food And Agricultural Sciences 13556
University Of Florida, Lake Alfred
Citrus Experiment Station 13627
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University Of Western Ontario, London, Canada
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University Of Wisconsin
Dept. Of Plant Pathology 13272
University Of Wisconsin, Madison
Dept. Of Plant Pathology 13263
University Of Wisconsin, Madison, Wis.
Department Of Entomology 13054
Upjohn Company, Kalamazoo, Mich. 13644
Velsicol Chemical Corporation, Chicago 13401 13402 13663
13664 13665 13670
Velsicol Chemical Corporation, Chicago, Illinois 13666
Veterinary Research Institute
Botanical Research Institute 13457
Virginia Polytechnic Institute, Blacksburg, Va.
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